

**Appendix C:
Air Quality/Greenhouse Gas Emissions Supporting Information**

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C.1 - CalEEMod Output Files—Air Quality

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CalEEMod Output—Air Quality

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Note: * Emissions for 2048 were estimated through linear interpolation using emission estimates for the 2045 and 2050 operational years, as CalEEMod does not provide an option to select for the 2048 operational year.

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

**Site Work for the Entire Project Site - Unmitigated Construction
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	109.03	Acre	109.03	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Project Characteristics - Site work for the entire project site
Based on conceptual site plan and final project description

Land Use - Site work for the entire project site

Based on conceptual site plan and final project description

120.40 acres - 11.37 acres of water = 109.03 acres total for Bishop Ranch 1A, Bishop Ranch 3A, and Bishop Ranch 2600.

Construction Phase - Excavation and grading would be completed for the entire project site in a single phase.

Excavation and grading anticipated to take 60 days maximum.

Off-road Equipment - Additional on-site equipment added to represent water truck usage during the grading phase.

Trips and VMT - Truck capacity: 10 cubic yards

3,500 truckloads (7,000 total haul trips for the export of material)

Grading - Approximately 35,000 cubic yards export

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	310.00	60.00
tblConstructionPhase	NumDays	120.00	60.00
tblGrading	MaterialExported	0.00	35,000.00
tblLandUse	LandUseSquareFeet	4,749,346.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblTripsAndVMT	HaulingTripNumber	4,375.00	7,000.00

2.0 Emissions Summary

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529
Maximum	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3099	3.8626	1.9925	6.6100e-003	0.4314	0.1355	0.5669	0.2018	0.1248	0.3266	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525
Maximum	0.3099	3.8626	1.9925	6.6100e-003	0.4314	0.1355	0.5669	0.2018	0.1248	0.3266	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.62	0.00	43.83	52.54	0.00	40.62	0.00	0.00	0.00	0.00	0.00	0.00

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	4.1765	4.1765
		Highest	4.1765	4.1765

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	3/25/2021	5	60	60 days maximum
2	Grading	Grading	1/1/2021	3/25/2021	5	60	60 days maximum

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 109.03

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	7,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182
Total	0.1167	1.2149	0.6346	1.1400e-003	0.5420	0.0613	0.6033	0.2979	0.0564	0.3544	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181
Total	0.1167	1.2149	0.6346	1.1400e-003	0.2439	0.0613	0.3052	0.1341	0.0564	0.1905	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2622	0.0000	0.2622	0.1082	0.0000	0.1082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1621	1.7078	1.1426	2.6500e-003		0.0711	0.0711		0.0655	0.0655	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609
Total	0.1621	1.7078	1.1426	2.6500e-003	0.2622	0.0711	0.3333	0.1082	0.0655	0.1736	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0487	0.0000	0.0487	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1621	1.7078	1.1426	2.6500e-003		0.0711	0.0711		0.0655	0.0655	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606
Total	0.1621	1.7078	1.1426	2.6500e-003	0.1180	0.0711	0.1891	0.0487	0.0655	0.1141	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

4.0 Operational Detail - Mobile

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Unmitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

**CityWalk Master Plan Unmitigated Construction—Phase 1
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	525.00	Space	0.00	210,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	300.00	Dwelling Unit	6.12	300,000.00	960
Regional Shopping Center	61.00	1000sqft	1.40	61,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Unmitigated Construction—Phase 1

Bishop Ranch 3A 169-key hotel

Bishop Ranch 2600 Phase 1 (SE 1)

Land Use - Phase 1 construction includes the 169-key hotel portion of 3A and the SE1 portion of Bishop Ranch 2600.

Based on conceptual site plan on final project description.

Grading analyzed for the entire project site in a separate run.

Construction Phase - Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Following site work and completed in 2022

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	51.00	0.00
tblLandUse	LotAcreage	4.72	0.00
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	18.75	6.12
tblLandUse	Population	858.00	960.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3904	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895
2022	3.9947	2.0507	2.1044	6.6100e-003	0.3099	0.0620	0.3720	0.0838	0.0583	0.1421	0.0000	602.1616	602.1616	0.0568	0.0000	603.5811
Maximum	3.9947	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3904	3.4771	3.1246	9.4200e-003	0.4602	0.1166	0.5767	0.1329	0.1090	0.2418	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891
2022	3.9947	2.0507	2.1044	6.6100e-003	0.3099	0.0620	0.3720	0.0838	0.0583	0.1421	0.0000	602.1614	602.1614	0.0568	0.0000	603.5809
Maximum	3.9947	3.4771	3.1246	9.4200e-003	0.4602	0.1166	0.5767	0.1329	0.1090	0.2418	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.50	0.00	7.01	12.05	0.00	7.17	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-26-2021	6-25-2021	1.4069	1.4069
2	6-26-2021	9-25-2021	1.1894	1.1894
3	9-26-2021	12-25-2021	1.1882	1.1882
4	12-26-2021	3-25-2022	1.0842	1.0842
5	3-26-2022	6-25-2022	1.0912	1.0912
6	6-26-2022	9-25-2022	3.9563	3.9563
		Highest	3.9563	3.9563

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	8.9947	32.9044	41.8990	0.9267	0.0224	71.7453
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	68.8384	1,552.6775	1,621.5160	4.5479	0.0501	1,750.1285

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	7.1957	26.3235	33.5192	0.7414	0.0179	57.3962
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	67.0395	1,546.0967	1,613.1362	4.3626	0.0456	1,735.7795

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	0.42	0.52	4.08	8.95	0.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/26/2021	5/6/2021	5	30	
2	Building Construction	Building Construction	5/7/2021	6/30/2022	5	300	
3	Paving	Paving	7/1/2022	7/28/2022	5	20	
4	Architectural Coating	Architectural Coating	7/29/2022	8/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 607,500; Residential Outdoor: 202,500; Non-Residential Indoor: 459,582; Non-Residential Outdoor: 153,194; Striped Parking Area: 12,600 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	476.00	136.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	95.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	0.0629	0.6960	0.4632	9.3000e-004	0.1301	0.0298	0.1599	0.0540	0.0274	0.0814	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

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3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	0.0629	0.6960	0.4632	9.3000e-004	0.0586	0.0298	0.0883	0.0243	0.0274	0.0517	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

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3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444
Total	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

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3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442
Total	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

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3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580
Total	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

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3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578
Total	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

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3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7553	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

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3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7553	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Hotel	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
NaturalGas Mitigated	0.0759	0.6811	0.5137	4.1400e-003			0.0525	0.0525		0.0525	0.0525	751.2219	751.2219	0.0144	0.0138	755.6861
NaturalGas Unmitigated	0.0759	0.6811	0.5137	4.1400e-003			0.0525	0.0525		0.0525	0.0525	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Unmitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	33.5192	0.7414	0.0179	57.3962
Unmitigated	41.8990	0.9267	0.0224	71.7453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.5462 / 12.3226	28.5559	0.6389	0.0154	49.1300
City Park	0 / 3.217	1.6905	1.5000e-004	3.0000e-005	1.7033
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	4.28698 / 0.476332	5.0931	0.1400	3.3700e-003	9.5967
Regional Shopping Center	4.51842 / 2.76936	6.5595	0.1477	3.5700e-003	11.3153
Total		41.8990	0.9267	0.0224	71.7453

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	15.637 / 9.85809	22.8447	0.5111	0.0124	39.3040
City Park	0 / 2.5736	1.3524	1.2000e-004	2.0000e-005	1.3627
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	3.42959 / 0.381065	4.0745	0.1120	2.6900e-003	7.6774
Regional Shopping Center	3.61474 / 2.21549	5.2476	0.1182	2.8600e-003	9.0522
Total		33.5192	0.7414	0.0179	57.3962

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.8438	3.5367	0.0000	148.2604
Unmitigated	59.8438	3.5367	0.0000	148.2604

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.10	Acre	1.10	47,916.00	0
Apartments Low Rise	652.00	Dwelling Unit	8.77	652,000.00	1969

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	331	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Unmitigated Construction Phases 2 - 3

CityWalk Master Plan Bishop Ranch 1A

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 1A based conceptual site plan on final project description.

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Bishop Ranch 1A (plan vertical construction phases 2 and 3) anticipated schedule: 2022-2026.

Demolition - No building demolition anticipated.

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Area Mitigation -

Water Mitigation -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	230.00	984.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	110.84	0.00
tblLandUse	LotAcreage	40.75	8.77
tblLandUse	Population	1,865.00	1,969.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4225	3.1106	3.5870	0.0102	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	924.7311	924.7311	0.0938	0.0000	927.0749
2023	0.3987	2.7346	3.5667	0.0105	0.5719	0.0950	0.6669	0.1536	0.0894	0.2430	0.0000	949.4009	949.4009	0.0890	0.0000	951.6254
2024	0.3766	2.6113	3.4814	0.0104	0.5763	0.0843	0.6606	0.1548	0.0793	0.2341	0.0000	939.0894	939.0894	0.0882	0.0000	941.2943
2025	4.6724	2.1860	3.0426	8.9700e-003	0.4969	0.0666	0.5635	0.1335	0.0626	0.1960	0.0000	809.6822	809.6822	0.0803	0.0000	811.6903
2026	0.2297	6.4000e-004	1.6600e-003	0.0000	3.9000e-004	3.0000e-005	4.2000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.6724	3.1106	3.5870	0.0105	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	949.4009	949.4009	0.0938	0.0000	951.6254

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4225	3.1106	3.5870	0.0102	0.5586	0.1113	0.6699	0.1573	0.1045	0.2618	0.0000	924.7307	924.7307	0.0938	0.0000	927.0745
2023	0.3987	2.7346	3.5667	0.0105	0.5719	0.0950	0.6669	0.1536	0.0894	0.2430	0.0000	949.4005	949.4005	0.0890	0.0000	951.6251
2024	0.3766	2.6113	3.4814	0.0104	0.5763	0.0843	0.6606	0.1548	0.0793	0.2341	0.0000	939.0890	939.0890	0.0882	0.0000	941.2940
2025	4.6724	2.1860	3.0426	8.9700e-003	0.4969	0.0666	0.5635	0.1335	0.0626	0.1960	0.0000	809.6818	809.6818	0.0803	0.0000	811.6899
2026	0.2297	6.4000e-004	1.6600e-003	0.0000	3.9000e-004	3.0000e-005	4.2000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.6724	3.1106	3.5870	0.0105	0.5763	0.1113	0.6699	0.1573	0.1045	0.2618	0.0000	949.4005	949.4005	0.0938	0.0000	951.6251

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.61	0.00	1.39	3.00	0.00	1.94	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.8437	0.8437
2	4-1-2022	6-30-2022	0.8930	0.8930
3	7-1-2022	9-30-2022	0.9028	0.9028
4	10-1-2022	12-31-2022	0.9124	0.9124
5	1-1-2023	3-31-2023	0.7816	0.7816
6	4-1-2023	6-30-2023	0.7824	0.7824

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

7	7-1-2023	9-30-2023	0.7910	0.7910
8	10-1-2023	12-31-2023	0.7989	0.7989
9	1-1-2024	3-31-2024	0.7477	0.7477
10	4-1-2024	6-30-2024	0.7404	0.7404
11	7-1-2024	9-30-2024	0.7485	0.7485
12	10-1-2024	12-31-2024	0.7559	0.7559
13	1-1-2025	3-31-2025	0.6971	0.6971
14	4-1-2025	6-30-2025	0.6980	0.6980
15	7-1-2025	9-30-2025	0.7057	0.7057
16	10-1-2025	12-31-2025	4.8246	4.8246
17	1-1-2026	3-31-2026	0.1645	0.1645
		Highest	4.8246	4.8246

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	13.4771	49.2731	62.7501	1.3885	0.0336	107.4699
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	74.3764	849.9480	924.3244	5.0395	0.0480	1,064.6219

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	10.7817	39.4184	50.2001	1.1108	0.0269	85.9759
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	71.6810	840.0934	911.7743	4.7618	0.0413	1,043.1279

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.62	1.16	1.36	5.51	13.99	2.02

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/28/2022	5	20	
2	Building Construction	Building Construction	1/29/2022	11/6/2025	5	984	
3	Paving	Paving	11/7/2025	12/4/2025	5	20	
4	Architectural Coating	Architectural Coating	12/5/2025	1/1/2026	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,320,300; Residential Outdoor: 440,100; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	78.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0295	9.4100e-003	0.0389	0.0152	8.6600e-003	0.0238	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357
Total	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354
Total	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434
Total	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431
Total	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

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3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

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3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3618	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3618	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2296	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

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3.5 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2296	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
NaturalGas Mitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
NaturalGas Unmitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

6.0 Area Detail

6.1 Mitigation Measures Area

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Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Unmitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	50.2001	1.1108	0.0269	85.9759
Unmitigated	62.7501	1.3885	0.0336	107.4699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	42.4804 / 26.7811	62.0614	1.3885	0.0336	106.7759
City Park	0 / 1.31063	0.6887	6.0000e-005	1.0000e-005	0.6940
Total		62.7501	1.3885	0.0336	107.4699

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	33.9843 / 21.4249	49.6491	1.1108	0.0269	85.4207
City Park	0 / 1.0485	0.5510	5.0000e-005	1.0000e-005	0.5552
Total		50.2001	1.1108	0.0269	85.9759

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	60.8993	3.5991	0.0000	150.8755
Unmitigated	60.8993	3.5991	0.0000	150.8755

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A)
Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	302.00	Space	0.00	120,800.00	0
City Park	0.64	Acre	0.64	27,878.40	0
Apartments Low Rise	791.00	Dwelling Unit	9.60	791,000.00	2389
Regional Shopping Center	70.00	1000sqft	0.04	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 3A

Phases 4-6 (Bishop Ranch 3A without hotel)

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 3A based on conceptual site plan on final project description.

Hotel portion of Bishop Ranch 3A is part of Phase 1 and is analyzed in a separate run.

Construction Phase - No demolition. Major grading and site work analyzed in a separate run.

Bishop Ranch 3A (plan vertical construction phases 4 through 6) anticipated schedule: 2026-2032.

Hotel is part of Phase 1 and is analyzed in a separate run.

Demolition - No building demolition with any phase anticipated (information confirmed via email 01/31/20).

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Energy Use -

Water Mitigation -

Trips and VMT -

Architectural Coating -

Area Coating -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	1,496.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	134.47	0.00
tblLandUse	LotAcreage	2.72	0.00
tblLandUse	LotAcreage	49.44	9.60
tblLandUse	LotAcreage	1.61	0.04
tblLandUse	Population	2,262.00	2,389.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3999	2.9464	3.6951	0.0122	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,105.345 2	1,105.345 2	0.1083	0.0000	1,108.051 6
2027	0.3908	2.8299	3.6303	0.0125	0.7799	0.0739	0.8538	0.2098	0.0694	0.2792	0.0000	1,136.307 1	1,136.307 1	0.0914	0.0000	1,138.591 8
2028	0.3782	2.7976	3.5362	0.0123	0.7769	0.0733	0.8502	0.2090	0.0689	0.2779	0.0000	1,116.0207	1,116.0207	0.0902	0.0000	1,118.2745
2029	0.3677	2.7861	3.4727	0.0122	0.7799	0.0733	0.8532	0.2098	0.0689	0.2787	0.0000	1,105.840 6	1,105.840 6	0.0898	0.0000	1,108.084 2
2030	0.3490	2.1758	3.4149	0.0125	0.7799	0.0235	0.8034	0.2098	0.0232	0.2330	0.0000	1,133.789 6	1,133.789 6	0.0317	0.0000	1,134.581 6
2031	5.9642	1.9171	3.0412	0.0110	0.6744	0.0234	0.6978	0.1814	0.0231	0.2045	0.0000	988.4594	988.4594	0.0277	0.0000	989.1524
2032	0.2981	4.8000e-004	1.5900e-003	0.0000	5.2000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.4330	0.4330	1.0000e-005	0.0000	0.4332
Maximum	5.9642	2.9464	3.6951	0.0125	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,136.307 1	1,136.307 1	0.1083	0.0000	1,138.591 8

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3999	2.9464	3.6951	0.0122	0.7512	0.0826	0.8337	0.2106	0.0772	0.2878	0.0000	1,105.3448	1,105.3448	0.1083	0.0000	1,108.0511
2027	0.3908	2.8298	3.6303	0.0125	0.7799	0.0739	0.8538	0.2098	0.0694	0.2792	0.0000	1,136.3067	1,136.3067	0.0914	0.0000	1,138.5915
2028	0.3782	2.7976	3.5362	0.0123	0.7769	0.0733	0.8502	0.2090	0.0689	0.2779	0.0000	1,116.0203	1,116.0203	0.0902	0.0000	1,118.2742
2029	0.3677	2.7861	3.4727	0.0122	0.7799	0.0733	0.8532	0.2098	0.0689	0.2787	0.0000	1,105.8402	1,105.8402	0.0898	0.0000	1,108.0839
2030	0.3490	2.1758	3.4149	0.0125	0.7799	0.0235	0.8034	0.2098	0.0232	0.2330	0.0000	1,133.7892	1,133.7892	0.0317	0.0000	1,134.5812
2031	5.9642	1.9171	3.0412	0.0110	0.6744	0.0234	0.6978	0.1814	0.0231	0.2045	0.0000	988.4590	988.4590	0.0277	0.0000	989.1521
2032	0.2981	4.8000e-004	1.5900e-003	0.0000	5.2000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.4330	0.4330	1.0000e-005	0.0000	0.4332
Maximum	5.9642	2.9464	3.6951	0.0125	0.7799	0.0826	0.8538	0.2106	0.0772	0.2878	0.0000	1,136.3067	1,136.3067	0.1083	0.0000	1,138.5915

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.55	0.00	1.44	2.35	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.8957	0.8957
2	4-1-2026	6-30-2026	0.8099	0.8099
3	7-1-2026	9-30-2026	0.8188	0.8188
4	10-1-2026	12-31-2026	0.8277	0.8277

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5	1-1-2027	3-31-2027	0.8003	0.8003
6	4-1-2027	6-30-2027	0.8009	0.8009
7	7-1-2027	9-30-2027	0.8097	0.8097
8	10-1-2027	12-31-2027	0.8180	0.8180
9	1-1-2028	3-31-2028	0.8006	0.8006
10	4-1-2028	6-30-2028	0.7928	0.7928
11	7-1-2028	9-30-2028	0.8015	0.8015
12	10-1-2028	12-31-2028	0.8094	0.8094
13	1-1-2029	3-31-2029	0.7829	0.7829
14	4-1-2029	6-30-2029	0.7843	0.7843
15	7-1-2029	9-30-2029	0.7929	0.7929
16	10-1-2029	12-31-2029	0.8003	0.8003
17	1-1-2030	3-31-2030	0.6276	0.6276
18	4-1-2030	6-30-2030	0.6276	0.6276
19	7-1-2030	9-30-2030	0.6345	0.6345
20	10-1-2030	12-31-2030	0.6415	0.6415
21	1-1-2031	3-31-2031	0.6200	0.6200
22	4-1-2031	6-30-2031	0.6204	0.6204
23	7-1-2031	9-30-2031	0.6273	0.6273
24	10-1-2031	12-31-2031	6.0989	6.0989
25	1-1-2032	3-31-2032	0.2133	0.2133
		Highest	6.0989	6.0989

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	17.9953	65.2251	83.2203	1.8540	0.0448	142.9280
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	106.7876	1,264.0864	1,370.8740	7.1837	0.0665	1,570.2773

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	14.3962	52.1801	66.5763	1.4832	0.0359	114.3424
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	103.1885	1,251.0414	1,354.2299	6.8129	0.0575	1,541.6917

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	1.03	1.21	5.16	13.48	1.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2026	2/11/2026	5	30	
2	Building Construction	Building Construction	2/12/2026	11/6/2031	5	1496	
3	Paving	Paving	11/7/2031	12/4/2031	5	20	
4	Architectural Coating	Architectural Coating	12/5/2031	1/1/2032	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,601,775; Residential Outdoor: 533,925; Non-Residential Indoor: 105,000; Non-Residential Outdoor: 35,000; Striped Parking Area: 7,248 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	654.00	120.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	131.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.2 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4191	0.3950	9.3000e-004		0.0170	0.0170		0.0156	0.0156	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204
Total	0.0435	0.4191	0.3950	9.3000e-004	0.1301	0.0170	0.1471	0.0540	0.0156	0.0696	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

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3.2 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4191	0.3950	9.3000e-004		0.0170	0.0170		0.0156	0.0156	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203
Total	0.0435	0.4191	0.3950	9.3000e-004	0.0586	0.0170	0.0755	0.0243	0.0156	0.0399	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

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3.3 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412
Total	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

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3.3 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408
Total	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

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3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

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3.3 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

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3.3 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

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3.3 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

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3.3 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

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3.3 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

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3.3 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.4 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

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3.4 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

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3.5 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281
Total	5.6617	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

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3.5 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280
Total	5.6617	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.5 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2980	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

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3.5 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2980	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

4.0 Operational Detail - Mobile

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
NaturalGas Mitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653
NaturalGas Unmitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Unmitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	66.5763	1.4832	0.0359	114.3424
Unmitigated	83.2203	1.8540	0.0448	142.9280

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	51.5368 / 32.4906	75.2923	1.6845	0.0407	129.5395
City Park	0 / 0.762548	0.4007	4.0000e-005	1.0000e-005	0.4038
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.18508 / 3.17795	7.5273	0.1695	4.1000e-003	12.9847
Total		83.2203	1.8540	0.0448	142.9280

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	41.2295 / 25.9925	60.2338	1.3476	0.0326	103.6316
City Park	0 / 0.610038	0.3206	3.0000e-005	1.0000e-005	0.3230
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.14806 / 2.54236	6.0219	0.1356	3.2800e-003	10.3878
Total		66.5763	1.4832	0.0359	114.3424

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.7923	5.2475	0.0000	219.9792
Unmitigated	88.7923	5.2475	0.0000	219.9792

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	5,350.00	Space	7.60	2,140,000.00	0
Enclosed Parking with Elevator	5,681.00	Space	0.00	2,272,400.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	12.69	Acre	12.69	552,776.40	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Low Rise	2,757.00	Dwelling Unit	56.31	2,757,000.00	8272
Regional Shopping Center	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	331	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Phases 7-14

Bishop Ranch 2600

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 2600 based conceptual site plan on final project description.

Phases 7-14 (a portion of Bishop Ranch 2600 is included in Phase 1)

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Plan construction phases 7-14 anticipated schedule: 2032-2048.

Energy Use -

Trips and VMT -

Architectural Coating -

Vehicle Trips - Construction run only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Woodstoves - Construction run only

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1,550.00	3,800.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	468.69	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	48.15	7.60
tblLandUse	LotAcreage	51.13	0.00
tblLandUse	LotAcreage	172.31	56.31
tblLandUse	Population	7,885.00	8,272.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.7648	5.6659	6.0834	0.0334	2.8199	0.0569	2.8768	0.8591	0.0562	0.9153	0.0000	3,108.5765	3,108.5765	0.0847	0.0000	3,110.6939
2033	1.1813	11.0503	10.1161	0.0671	5.1889	0.0451	5.2340	1.4022	0.0434	1.4456	0.0000	6,253.5646	6,253.5646	0.1527	0.0000	6,257.3821
2034	1.1339	10.9551	9.8412	0.0667	5.1890	0.0440	5.2329	1.4023	0.0424	1.4446	0.0000	6,211.0354	6,211.0354	0.1499	0.0000	6,214.7819
2035	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2036	1.0892	10.8558	9.6745	0.0668	5.2289	0.0358	5.2646	1.4130	0.0342	1.4473	0.0000	6,222.8564	6,222.8564	0.1476	0.0000	6,226.5468
2037	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2038	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2039	1.0809	10.7729	9.6007	0.0663	5.1890	0.0355	5.2244	1.4023	0.0340	1.4362	0.0000	6,175.3537	6,175.3537	0.1465	0.0000	6,179.0159
2040	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2041	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2042	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2043	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2044	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2045	0.8879	10.3502	8.6057	0.0648	5.1890	0.0287	5.2177	1.4023	0.0275	1.4297	0.0000	6,039.6201	6,039.6201	0.1355	0.0000	6,043.0083
2046	0.8914	10.3900	8.6388	0.0650	5.2090	0.0288	5.2377	1.4077	0.0276	1.4352	0.0000	6,062.8494	6,062.8494	0.1361	0.0000	6,066.2506
2047	20.8206	1.9365	2.6901	0.0143	1.1992	0.0122	1.2114	0.3225	0.0120	0.3345	0.0000	1,313.7547	1,313.7547	0.0283	0.0000	1,314.4616
2048	0.1892	5.8000e-004	3.8900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.8206	11.0503	10.1161	0.0671	5.2289	0.0569	5.2646	1.4130	0.0562	1.4473	0.0000	6,253.5646	6,253.5646	0.1527	0.0000	6,257.3821

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.7648	5.6659	6.0834	0.0334	2.4502	0.0569	2.5071	0.7058	0.0562	0.7620	0.0000	3,108.5758	3,108.5758	0.0847	0.0000	3,110.6931
2033	1.1813	11.0503	10.1161	0.0671	5.1889	0.0451	5.2340	1.4022	0.0434	1.4456	0.0000	6,253.5642	6,253.5642	0.1527	0.0000	6,257.3817
2034	1.1339	10.9551	9.8412	0.0667	5.1890	0.0440	5.2329	1.4023	0.0424	1.4446	0.0000	6,211.0349	6,211.0349	0.1499	0.0000	6,214.7815
2035	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2036	1.0892	10.8558	9.6745	0.0668	5.2289	0.0358	5.2646	1.4130	0.0342	1.4473	0.0000	6,222.8560	6,222.8560	0.1476	0.0000	6,226.5464
2037	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2038	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2039	1.0809	10.7729	9.6007	0.0663	5.1890	0.0355	5.2244	1.4023	0.0340	1.4362	0.0000	6,175.3533	6,175.3533	0.1465	0.0000	6,179.0155
2040	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2041	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2042	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2043	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2044	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2045	0.8879	10.3502	8.6057	0.0648	5.1890	0.0287	5.2177	1.4023	0.0275	1.4297	0.0000	6,039.6197	6,039.6197	0.1355	0.0000	6,043.0079
2046	0.8914	10.3900	8.6388	0.0650	5.2090	0.0288	5.2377	1.4077	0.0276	1.4352	0.0000	6,062.8490	6,062.8490	0.1361	0.0000	6,066.2502
2047	20.8206	1.9365	2.6901	0.0143	1.1992	0.0122	1.2114	0.3225	0.0120	0.3345	0.0000	1,313.7545	1,313.7545	0.0283	0.0000	1,314.4613
2048	0.1892	5.8000e-004	3.8900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.8206	11.0503	10.1161	0.0671	5.2289	0.0569	5.2646	1.4130	0.0562	1.4473	0.0000	6,253.5642	6,253.5642	0.1527	0.0000	6,257.3817

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.48	0.00	0.48	0.73	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2032	3-31-2032	0.5583	0.5583
2	4-1-2032	6-30-2032	0.5581	0.5581
3	7-1-2032	9-30-2032	2.1470	2.1470
4	10-1-2032	12-31-2032	3.1618	3.1618
5	1-1-2033	3-31-2033	3.0513	3.0513
6	4-1-2033	6-30-2033	3.0446	3.0446
7	7-1-2033	9-30-2033	3.0781	3.0781
8	10-1-2033	12-31-2033	3.1191	3.1191
9	1-1-2034	3-31-2034	3.0144	3.0144
10	4-1-2034	6-30-2034	3.0086	3.0086
11	7-1-2034	9-30-2034	3.0417	3.0417
12	10-1-2034	12-31-2034	3.0813	3.0813
13	1-1-2035	3-31-2035	2.9548	2.9548
14	4-1-2035	6-30-2035	2.9495	2.9495
15	7-1-2035	9-30-2035	2.9819	2.9819
16	10-1-2035	12-31-2035	3.0204	3.0204
17	1-1-2036	3-31-2036	2.9876	2.9876
18	4-1-2036	6-30-2036	2.9495	2.9495
19	7-1-2036	9-30-2036	2.9819	2.9819
20	10-1-2036	12-31-2036	3.0204	3.0204
21	1-1-2037	3-31-2037	2.9548	2.9548
22	4-1-2037	6-30-2037	2.9495	2.9495

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23	7-1-2037	9-30-2037	2.9819	2.9819
24	10-1-2037	12-31-2037	3.0204	3.0204
25	1-1-2038	3-31-2038	2.9548	2.9548
26	4-1-2038	6-30-2038	2.9495	2.9495
27	7-1-2038	9-30-2038	2.9819	2.9819
28	10-1-2038	12-31-2038	3.0204	3.0204
29	1-1-2039	3-31-2039	2.9548	2.9548
30	4-1-2039	6-30-2039	2.9495	2.9495
31	7-1-2039	9-30-2039	2.9819	2.9819
32	10-1-2039	12-31-2039	3.0204	3.0204
33	1-1-2040	3-31-2040	2.8710	2.8710
34	4-1-2040	6-30-2040	2.8364	2.8364
35	7-1-2040	9-30-2040	2.8676	2.8676
36	10-1-2040	12-31-2040	2.9025	2.9025
37	1-1-2041	3-31-2041	2.8395	2.8395
38	4-1-2041	6-30-2041	2.8364	2.8364
39	7-1-2041	9-30-2041	2.8676	2.8676
40	10-1-2041	12-31-2041	2.9025	2.9025
41	1-1-2042	3-31-2042	2.8395	2.8395
42	4-1-2042	6-30-2042	2.8364	2.8364
43	7-1-2042	9-30-2042	2.8676	2.8676
44	10-1-2042	12-31-2042	2.9025	2.9025
45	1-1-2043	3-31-2043	2.8395	2.8395
46	4-1-2043	6-30-2043	2.8364	2.8364
47	7-1-2043	9-30-2043	2.8676	2.8676
48	10-1-2043	12-31-2043	2.9025	2.9025
49	1-1-2044	3-31-2044	2.8710	2.8710

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50	4-1-2044	6-30-2044	2.8364	2.8364
51	7-1-2044	9-30-2044	2.8676	2.8676
52	10-1-2044	12-31-2044	2.9025	2.9025
53	1-1-2045	3-31-2045	2.7964	2.7964
54	4-1-2045	6-30-2045	2.7937	2.7937
55	7-1-2045	9-30-2045	2.8244	2.8244
56	10-1-2045	12-31-2045	2.8585	2.8585
57	1-1-2046	3-31-2046	2.7964	2.7964
58	4-1-2046	6-30-2046	2.7937	2.7937
59	7-1-2046	9-30-2046	2.8244	2.8244
60	10-1-2046	12-31-2046	2.8585	2.8585
61	1-1-2047	3-31-2047	1.8557	1.8557
62	4-1-2047	6-30-2047	0.1524	0.1524
63	7-1-2047	9-30-2047	8.3198	8.3198
64	10-1-2047	12-31-2047	12.4746	12.4746
65	1-1-2048	3-31-2048	0.1356	0.1356
		Highest	12.4746	12.4746

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	58.4210	218.2100	276.6310	6.0195	0.1456	470.5189
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	340.9093	7,675.8652	8,016.7745	23.2857	0.2806	8,682.5195

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	46.7368	174.5680	221.3048	4.8156	0.1165	376.4151
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	329.2251	7,632.2232	7,961.4483	22.0818	0.2514	8,588.4157

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	0.57	0.69	5.17	10.38	1.08

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2032	8/4/2032	5	155	
2	Building Construction	Building Construction	8/5/2032	2/27/2047	5	3800	
3	Paving	Paving	2/28/2047	7/31/2047	5	110	
4	Architectural Coating	Architectural Coating	8/1/2047	1/1/2048	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 7.6

Residential Indoor: 5,582,925; Residential Outdoor: 1,860,975; Non-Residential Indoor: 125,625; Non-Residential Outdoor: 41,875; Striped Parking Area: 264,744 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,102.00	1,122.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	820.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6722	0.0000	0.6722	0.2787	0.0000	0.2787	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2543	1.0731	1.7844	5.4200e-003		0.0378	0.0378		0.0378	0.0378	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431
Total	0.2543	1.0731	1.7844	5.4200e-003	0.6722	0.0378	0.7100	0.2787	0.0378	0.3165	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

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3.2 Grading - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3025	0.0000	0.3025	0.1254	0.0000	0.1254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2543	1.0731	1.7844	5.4200e-003		0.0378	0.0378		0.0378	0.0378	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425
Total	0.2543	1.0731	1.7844	5.4200e-003	0.3025	0.0378	0.3403	0.1254	0.0378	0.1632	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

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3.3 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717
Total	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

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3.3 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715
Total	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

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3.3 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

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3.3 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

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3.3 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

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3.3 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

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3.3 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2040

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

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3.3 Building Construction - 2045

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

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3.3 Building Construction - 2046

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

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3.3 Building Construction - 2046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

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3.4 Paving - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

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3.4 Paving - 2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

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3.5 Architectural Coating - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5822	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

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3.5 Architectural Coating - 2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5822	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

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3.5 Architectural Coating - 2048

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

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3.5 Architectural Coating - 2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Arena	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
City Park	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Enclosed Parking with Elevator	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Health Club	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Regional Shopping Center	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
NaturalGas Mitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003
NaturalGas Unmitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Unmitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	221.3048	4.8156	0.1165	376.4151
Unmitigated	276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	179.63 / 113.245	262.4284	5.8712	0.1419	451.5049
Arena	1.03654 / 0.0661622	1.2057	0.0339	8.1000e-004	2.2944
City Park	0 / 15.1199	7.9453	7.0000e-004	1.4000e-004	8.0056
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	1.2879	0.0290	7.0000e-004	2.2216
Regional Shopping Center	2.59254 / 1.58898	3.7637	0.0847	2.0500e-003	6.4924
Total		276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	143.704 / 90.5958	209.9427	4.6970	0.1136	361.2039
Arena	0.829232 / 0.0529297	0.9646	0.0271	6.5000e-004	1.8355
City Park	0 / 12.0959	6.3563	5.6000e-004	1.2000e-004	6.4045
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	1.0303	0.0232	5.6000e-004	1.7773
Regional Shopping Center	2.07403 / 1.27118	3.0109	0.0678	1.6400e-003	5.1939
Total		221.3048	4.8156	0.1165	376.4151

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	282.4883	16.6946	0.0000	699.8528
Unmitigated	282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

**Site Work for the Entire Project Site - Mitigated Construction
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	109.03	Acre	109.03	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

Project Characteristics - Mitigated Construction—Tier IV Final

Site work for the entire project site

Based on conceptual site plan and final project description

Land Use - Site work for the entire project site

Based on conceptual site plan and final project description

120.40 acres - 11.37 acres of water = 109.03 acres total for Bishop Ranch 1A, Bishop Ranch 3A, and Bishop Ranch 2600.

Construction Phase - Excavation and grading would be completed for the entire project site in a single phase.

Excavation and grading anticipated to take 60 days maximum.

Off-road Equipment - Additional on-site equipment added to represent water truck usage during the grading phase.

Trips and VMT - Truck capacity: 10 cubic yards

3,500 truckloads (7,000 total haul trips for the export of material)

Grading - Approximately 35,000 cubic yards export

Energy Use -

Construction Off-road Equipment Mitigation - Tier IV mitigation for construction equipment >50 HP

Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	310.00	60.00
tblConstructionPhase	NumDays	120.00	60.00
tblGrading	MaterialExported	0.00	35,000.00
tblLandUse	LandUseSquareFeet	4,749,346.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblTripsAndVMT	HaulingTripNumber	4,375.00	7,000.00

2.0 Emissions Summary

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529
Maximum	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0777	1.1414	2.1869	6.6100e-003	0.4314	9.2300e-003	0.4406	0.2018	9.1000e-003	0.2109	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525
Maximum	0.0777	1.1414	2.1869	6.6100e-003	0.4314	9.2300e-003	0.4406	0.2018	9.1000e-003	0.2109	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	74.93	70.45	-9.76	0.00	50.62	93.19	56.34	52.54	92.71	61.65	0.00	0.00	0.00	0.00	0.00	0.00

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	4.1765	1.2231
		Highest	4.1765	1.2231

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	3/25/2021	5	60	60 days maximum
2	Grading	Grading	1/1/2021	3/25/2021	5	60	60 days maximum

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 109.03

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	7,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182
Total	0.1167	1.2149	0.6346	1.1400e-003	0.5420	0.0613	0.6033	0.2979	0.0564	0.3544	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0605	0.6261	1.1400e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181
Total	0.0140	0.0605	0.6261	1.1400e-003	0.2439	1.8600e-003	0.2458	0.1341	1.8600e-003	0.1359	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2622	0.0000	0.2622	0.1082	0.0000	0.1082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1621	1.7078	1.1426	2.6500e-003		0.0711	0.0711		0.0655	0.0655	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609
Total	0.1621	1.7078	1.1426	2.6500e-003	0.2622	0.0711	0.3333	0.1082	0.0655	0.1736	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0487	0.0000	0.0487	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0326	0.1410	1.3456	2.6500e-003		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606
Total	0.0326	0.1410	1.3456	2.6500e-003	0.1180	4.3400e-003	0.1223	0.0487	4.3400e-003	0.0530	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Unmitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

7.0 Water Detail

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Site Work for the Entire Project Site - Mitigated Construction - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

**CityWalk Master Plan Mitigated Construction—Phase 1
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	525.00	Space	0.00	210,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	300.00	Dwelling Unit	6.12	300,000.00	960
Regional Shopping Center	61.00	1000sqft	1.40	61,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Phase 1 Mitigated Construction—Tier IV Final

Bishop Ranch 3A 169-key hotel

Bishop Ranch 2600 Phase 1 (SE 1)

Land Use - Phase 1 construction includes the 169-key hotel portion of 3A and the SE1 portion of Bishop Ranch 2600.

Based on conceptual site plan on final project description.

Grading analyzed for the entire project site in a separate run.

Construction Phase - Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Following site work and completed in 2022

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Tier IV mitigation for construction equipment >50 HP

Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	51.00	0.00
tblLandUse	LotAcreage	4.72	0.00
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	18.75	6.12
tblLandUse	Population	858.00	960.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3904	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895
2022	3.9947	2.0507	2.1044	6.6100e-003	0.3099	0.0620	0.3720	0.0838	0.0583	0.1421	0.0000	602.1616	602.1616	0.0568	0.0000	603.5811
Maximum	3.9947	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2266	1.5744	3.2511	9.4200e-003	0.4602	0.0159	0.4761	0.1329	0.0156	0.1485	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891
2022	3.9108	1.1053	2.2154	6.6100e-003	0.3099	0.0103	0.3203	0.0838	0.0101	0.0939	0.0000	602.1614	602.1614	0.0568	0.0000	603.5809
Maximum	3.9108	1.5744	3.2511	9.4200e-003	0.4602	0.0159	0.4761	0.1329	0.0156	0.1485	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.65	51.52	-4.54	0.00	8.50	85.30	21.95	12.05	84.60	41.39	0.00	0.00	0.00	0.00	0.00	0.00

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-26-2021	6-25-2021	1.4069	0.4231
2	6-26-2021	9-25-2021	1.1894	0.6635
3	9-26-2021	12-25-2021	1.1882	0.6680
4	12-26-2021	3-25-2022	1.0842	0.6278
5	3-26-2022	6-25-2022	1.0912	0.6290
6	6-26-2022	9-25-2022	3.9563	3.8093
		Highest	3.9563	3.8093

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	8.9947	32.9044	41.8990	0.9267	0.0224	71.7453
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	68.8384	1,552.6775	1,621.5160	4.5479	0.0501	1,750.1285

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	7.1957	26.3235	33.5192	0.7414	0.0179	57.3962
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	67.0395	1,546.0967	1,613.1362	4.3626	0.0456	1,735.7795

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	0.42	0.52	4.08	8.95	0.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/26/2021	5/6/2021	5	30	
2	Building Construction	Building Construction	5/7/2021	6/30/2022	5	300	
3	Paving	Paving	7/1/2022	7/28/2022	5	20	
4	Architectural Coating	Architectural Coating	7/29/2022	8/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 607,500; Residential Outdoor: 202,500; Non-Residential Indoor: 459,582; Non-Residential Outdoor: 153,194; Striped Parking Area: 12,600 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	476.00	136.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	95.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	0.0629	0.6960	0.4632	9.3000e-004	0.1301	0.0298	0.1599	0.0540	0.0274	0.0814	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

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3.2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	0.0114	0.0495	0.4950	9.3000e-004	0.0586	1.5200e-003	0.0601	0.0243	1.5200e-003	0.0258	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033

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3.2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444
Total	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444

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3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0502	0.2342	1.5118	2.3000e-003		9.5700e-003	9.5700e-003		9.5700e-003	9.5700e-003	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442
Total	0.0502	0.2342	1.5118	2.3000e-003		9.5700e-003	9.5700e-003		9.5700e-003	9.5700e-003	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442

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3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580
Total	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580

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3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.1737	1.1390	1.7400e-003		6.5600e-003	6.5600e-003		6.5600e-003	6.5600e-003	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578
Total	0.0362	0.1737	1.1390	1.7400e-003		6.5600e-003	6.5600e-003		6.5600e-003	6.5600e-003	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

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3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7553	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

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3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7535	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

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3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Hotel	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
NaturalGas Mitigated	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861
NaturalGas Unmitigated	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Unmitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	33.5192	0.7414	0.0179	57.3962
Unmitigated	41.8990	0.9267	0.0224	71.7453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.5462 / 12.3226	28.5559	0.6389	0.0154	49.1300
City Park	0 / 3.217	1.6905	1.5000e-004	3.0000e-005	1.7033
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	4.28698 / 0.476332	5.0931	0.1400	3.3700e-003	9.5967
Regional Shopping Center	4.51842 / 2.76936	6.5595	0.1477	3.5700e-003	11.3153
Total		41.8990	0.9267	0.0224	71.7453

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	15.637 / 9.85809	22.8447	0.5111	0.0124	39.3040
City Park	0 / 2.5736	1.3524	1.2000e-004	2.0000e-005	1.3627
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	3.42959 / 0.381065	4.0745	0.1120	2.6900e-003	7.6774
Regional Shopping Center	3.61474 / 2.21549	5.2476	0.1182	2.8600e-003	9.0522
Total		33.5192	0.7414	0.0179	57.3962

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.8438	3.5367	0.0000	148.2604
Unmitigated	59.8438	3.5367	0.0000	148.2604

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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CityWalk Master Plan Mitigated Construction—Phase 1 - Contra Costa County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.10	Acre	1.10	47,916.00	0
Apartment Low Rise	652.00	Dwelling Unit	8.77	652,000.00	1969

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	331	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Mitigated Construction Phases 2-3 (Tier IV Mitigation)

CityWalk Master Plan Bishop Ranch 1A

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 1A based conceptual site plan on final project description.

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Bishop Ranch 1A (plan vertical construction phases 2 and 3) anticipated schedule: 2022-2026.

Demolition - No building demolition anticipated.

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Tier IV mitigation for construction equipment >50 HP

Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	984.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	110.84	0.00
tblLandUse	LotAcreage	40.75	8.77
tblLandUse	Population	1,865.00	1,969.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4225	3.1106	3.5870	0.0102	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	924.7311	924.7311	0.0938	0.0000	927.0749
2023	0.3987	2.7346	3.5667	0.0105	0.5719	0.0950	0.6669	0.1536	0.0894	0.2430	0.0000	949.4009	949.4009	0.0890	0.0000	951.6254
2024	0.3766	2.6113	3.4814	0.0104	0.5763	0.0843	0.6606	0.1548	0.0793	0.2341	0.0000	939.0894	939.0894	0.0882	0.0000	941.2943
2025	4.6724	2.1860	3.0426	8.9700e-003	0.4969	0.0666	0.5635	0.1335	0.0626	0.1960	0.0000	809.6822	809.6822	0.0803	0.0000	811.6903
2026	0.2297	6.4000e-004	1.6600e-003	0.0000	3.9000e-004	3.0000e-005	4.2000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.6724	3.1106	3.5870	0.0105	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	949.4009	949.4009	0.0938	0.0000	951.6254

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2692	1.3672	3.7673	0.0102	0.5586	0.0175	0.5761	0.1573	0.0172	0.1745	0.0000	924.7307	924.7307	0.0938	0.0000	927.0745
2023	0.2642	1.2092	3.7483	0.0105	0.5719	0.0161	0.5880	0.1536	0.0158	0.1695	0.0000	949.4005	949.4005	0.0890	0.0000	951.6251
2024	0.2519	1.1922	3.6727	0.0104	0.5763	0.0152	0.5915	0.1548	0.0149	0.1697	0.0000	939.0890	939.0890	0.0882	0.0000	941.2940
2025	4.5689	1.0041	3.2399	8.9700e-003	0.4969	0.0125	0.5094	0.1335	0.0123	0.1458	0.0000	809.6818	809.6818	0.0803	0.0000	811.6899
2026	0.2296	1.3000e-004	1.6700e-003	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.5689	1.3672	3.7673	0.0105	0.5763	0.0175	0.5915	0.1573	0.0172	0.1745	0.0000	949.4005	949.4005	0.0938	0.0000	951.6251

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.46	55.16	-5.49	0.00	1.61	82.82	12.78	3.00	82.06	30.83	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.8437	0.3235
2	4-1-2022	6-30-2022	0.8930	0.4358
3	7-1-2022	9-30-2022	0.9028	0.4406
4	10-1-2022	12-31-2022	0.9124	0.4501
5	1-1-2023	3-31-2023	0.7816	0.3712
6	4-1-2023	6-30-2023	0.7824	0.3674

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7	7-1-2023	9-30-2023	0.7910	0.3715
8	10-1-2023	12-31-2023	0.7989	0.3794
9	1-1-2024	3-31-2024	0.7477	0.3647
10	4-1-2024	6-30-2024	0.7404	0.3574
11	7-1-2024	9-30-2024	0.7485	0.3614
12	10-1-2024	12-31-2024	0.7559	0.3687
13	1-1-2025	3-31-2025	0.6971	0.3512
14	4-1-2025	6-30-2025	0.6980	0.3483
15	7-1-2025	9-30-2025	0.7057	0.3521
16	10-1-2025	12-31-2025	4.8246	4.5912
17	1-1-2026	3-31-2026	0.1645	0.1641
		Highest	4.8246	4.5912

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	13.4771	49.2731	62.7501	1.3885	0.0336	107.4699
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	74.3764	849.9480	924.3244	5.0395	0.0480	1,064.6219

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	10.7817	39.4184	50.2001	1.1108	0.0269	85.9759
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	71.6810	840.0934	911.7743	4.7618	0.0413	1,043.1279

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.62	1.16	1.36	5.51	13.99	2.02

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/28/2022	5	20	
2	Building Construction	Building Construction	1/29/2022	11/6/2025	5	984	
3	Paving	Paving	11/7/2025	12/4/2025	5	20	
4	Architectural Coating	Architectural Coating	12/5/2025	1/1/2026	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,320,300; Residential Outdoor: 440,100; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	78.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1775	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	3.6300e-003	0.0157	0.1775	3.0000e-004	0.0295	4.8000e-004	0.0300	0.0152	4.8000e-004	0.0156	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357
Total	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

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3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0673	0.3232	2.1191	3.2300e-003		0.0122	0.0122		0.0122	0.0122	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354
Total	0.0673	0.3232	2.1191	3.2300e-003		0.0122	0.0122		0.0122	0.0122	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

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3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

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3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

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3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0681	0.3421	2.3092	3.5300e-003		0.0112	0.0112		0.0112	0.0112	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0681	0.3421	2.3092	3.5300e-003		0.0112	0.0112		0.0112	0.0112	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

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3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434
Total	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0559	0.2856	1.9553	2.9900e-003		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431
Total	0.0559	0.2856	1.9553	2.9900e-003		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

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3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3618	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-004	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3605	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2296	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

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3.5 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-005	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2295	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
NaturalGas Mitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
NaturalGas Unmitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

6.0 Area Detail

6.1 Mitigation Measures Area

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Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Unmitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 1A Mitigated Construction—Phases 2-3 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	50.2001	1.1108	0.0269	85.9759
Unmitigated	62.7501	1.3885	0.0336	107.4699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	42.4804 / 26.7811	62.0614	1.3885	0.0336	106.7759
City Park	0 / 1.31063	0.6887	6.0000e-005	1.0000e-005	0.6940
Total		62.7501	1.3885	0.0336	107.4699

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	33.9843 / 21.4249	49.6491	1.1108	0.0269	85.4207
City Park	0 / 1.0485	0.5510	5.0000e-005	1.0000e-005	0.5552
Total		50.2001	1.1108	0.0269	85.9759

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	60.8993	3.5991	0.0000	150.8755
Unmitigated	60.8993	3.5991	0.0000	150.8755

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A)
Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	302.00	Space	0.00	120,800.00	0
City Park	0.64	Acre	0.64	27,878.40	0
Apartments Low Rise	791.00	Dwelling Unit	9.60	791,000.00	2389
Regional Shopping Center	70.00	1000sqft	0.04	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 3A-Mitigated Construction (Tier IV Mitigation)

Phases 4-6 (Bishop Ranch 3A without hotel)

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 3A based on conceptual site plan on final project description.

Hotel portion of Bishop Ranch 3A is part of Phase 1 and is analyzed in a separate run.

Construction Phase - No demolition. Major grading and site work analyzed in a separate run.

Bishop Ranch 3A (plan vertical construction phases 4 through 6) anticipated schedule: 2026-2032.

Hotel is part of Phase 1 and is analyzed in a separate run.

Trips and VMT -

Demolition - No building demolition with any phase anticipated (information confirmed via email 01/31/20).

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Architectural Coating -

Vehicle Trips - Construction run only

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Tier IV mitigation for construction equipment >50 HP

Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	1,496.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	134.47	0.00
tblLandUse	LotAcreage	2.72	0.00
tblLandUse	LotAcreage	49.44	9.60
tblLandUse	LotAcreage	1.61	0.04
tblLandUse	Population	2,262.00	2,389.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00

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tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3999	2.9464	3.6951	0.0122	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,105.345 2	1,105.345 2	0.1083	0.0000	1,108.051 6
2027	0.3908	2.8299	3.6303	0.0125	0.7799	0.0739	0.8538	0.2098	0.0694	0.2792	0.0000	1,136.307 1	1,136.307 1	0.0914	0.0000	1,138.591 8
2028	0.3782	2.7976	3.5362	0.0123	0.7769	0.0733	0.8502	0.2090	0.0689	0.2779	0.0000	1,116.0207	1,116.020 7	0.0902	0.0000	1,118.274 5
2029	0.3677	2.7861	3.4727	0.0122	0.7799	0.0733	0.8532	0.2098	0.0689	0.2787	0.0000	1,105.840 6	1,105.840 6	0.0898	0.0000	1,108.084 2
2030	0.3490	2.1758	3.4149	0.0125	0.7799	0.0235	0.8034	0.2098	0.0232	0.2330	0.0000	1,133.789 6	1,133.789 6	0.0317	0.0000	1,134.581 6
2031	5.9642	1.9171	3.0412	0.0110	0.6744	0.0234	0.6978	0.1814	0.0231	0.2045	0.0000	988.4594	988.4594	0.0277	0.0000	989.1524
2032	0.2981	4.8000e- 004	1.5900e- 003	0.0000	5.2000e- 004	1.0000e- 005	5.3000e- 004	1.4000e- 004	1.0000e- 005	1.5000e- 004	0.0000	0.4330	0.4330	1.0000e- 005	0.0000	0.4332
Maximum	5.9642	2.9464	3.6951	0.0125	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,136.307 1	1,136.307 1	0.1083	0.0000	1,138.591 8

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.2681	1.4337	3.9719	0.0122	0.7512	0.0153	0.7665	0.2106	0.0149	0.2255	0.0000	1,105.3448	1,105.3448	0.1083	0.0000	1,108.0511
2027	0.2781	1.5383	3.8300	0.0125	0.7799	0.0153	0.7952	0.2098	0.0149	0.2247	0.0000	1,136.3067	1,136.3067	0.0914	0.0000	1,138.5915
2028	0.2659	1.5110	3.7352	0.0123	0.7769	0.0149	0.7919	0.2090	0.0146	0.2236	0.0000	1,116.0203	1,116.0203	0.0902	0.0000	1,118.2742
2029	0.2550	1.4946	3.6724	0.0122	0.7799	0.0147	0.7946	0.2098	0.0144	0.2242	0.0000	1,105.8402	1,105.8402	0.0898	0.0000	1,108.0839
2030	0.2366	1.4568	3.5986	0.0125	0.7799	0.0113	0.7912	0.2098	0.0110	0.2208	0.0000	1,133.7892	1,133.7892	0.0317	0.0000	1,134.5812
2031	5.8567	1.2397	3.2123	0.0110	0.6744	9.8500e-003	0.6843	0.1814	9.6200e-003	0.1910	0.0000	988.4590	988.4590	0.0277	0.0000	989.1521
2032	0.2980	1.2000e-004	1.6100e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4330	0.4330	1.0000e-005	0.0000	0.4332
Maximum	5.8567	1.5383	3.9719	0.0125	0.7799	0.0153	0.7952	0.2106	0.0149	0.2255	0.0000	1,136.3067	1,136.3067	0.1083	0.0000	1,138.5915

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.46	43.87	-5.92	0.00	1.55	76.76	6.85	2.35	75.97	17.66	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.8957	0.3095
2	4-1-2026	6-30-2026	0.8099	0.4602
3	7-1-2026	9-30-2026	0.8188	0.4652
4	10-1-2026	12-31-2026	0.8277	0.4741

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5	1-1-2027	3-31-2027	0.8003	0.4544
6	4-1-2027	6-30-2027	0.8009	0.4512
7	7-1-2027	9-30-2027	0.8097	0.4561
8	10-1-2027	12-31-2027	0.8180	0.4645
9	1-1-2028	3-31-2028	0.8006	0.4509
10	4-1-2028	6-30-2028	0.7928	0.4431
11	7-1-2028	9-30-2028	0.8015	0.4479
12	10-1-2028	12-31-2028	0.8094	0.4558
13	1-1-2029	3-31-2029	0.7829	0.4370
14	4-1-2029	6-30-2029	0.7843	0.4346
15	7-1-2029	9-30-2029	0.7929	0.4394
16	10-1-2029	12-31-2029	0.8003	0.4468
17	1-1-2030	3-31-2030	0.6276	0.4228
18	4-1-2030	6-30-2030	0.6276	0.4206
19	7-1-2030	9-30-2030	0.6345	0.4252
20	10-1-2030	12-31-2030	0.6415	0.4322
21	1-1-2031	3-31-2031	0.6200	0.4153
22	4-1-2031	6-30-2031	0.6204	0.4134
23	7-1-2031	9-30-2031	0.6273	0.4180
24	10-1-2031	12-31-2031	6.0989	5.9366
25	1-1-2032	3-31-2032	0.2133	0.2130
		Highest	6.0989	5.9366

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	17.9953	65.2251	83.2203	1.8540	0.0448	142.9280
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	106.7876	1,264.0864	1,370.8740	7.1837	0.0665	1,570.2773

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	14.3962	52.1801	66.5763	1.4832	0.0359	114.3424
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	103.1885	1,251.0414	1,354.2299	6.8129	0.0575	1,541.6917

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	1.03	1.21	5.16	13.48	1.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2026	2/11/2026	5	30	
2	Building Construction	Building Construction	2/12/2026	11/6/2031	5	1496	
3	Paving	Paving	11/7/2031	12/4/2031	5	20	
4	Architectural Coating	Architectural Coating	12/5/2031	1/1/2032	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,601,775; Residential Outdoor: 533,925; Non-Residential Indoor: 105,000; Non-Residential Outdoor: 35,000; Striped Parking Area: 7,248 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	654.00	120.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	131.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4191	0.3950	9.3000e-004		0.0170	0.0170		0.0156	0.0156	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204
Total	0.0435	0.4191	0.3950	9.3000e-004	0.1301	0.0170	0.1471	0.0540	0.0156	0.0696	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.2 Grading - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203
Total	0.0114	0.0495	0.4950	9.3000e-004	0.0586	1.5200e-003	0.0601	0.0243	1.5200e-003	0.0258	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.2 Grading - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

3.3 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412
Total	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0582	0.2972	2.0345	3.1100e-003		9.1000e-003	9.1000e-003		9.1000e-003	9.1000e-003	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408
Total	0.0582	0.2972	2.0345	3.1100e-003		9.1000e-003	9.1000e-003		9.1000e-003	9.1000e-003	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0658	0.3358	2.2988	3.5200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0658	0.3358	2.2988	3.5200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

3.3 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0655	0.3345	2.2900	3.5000e-003		0.0102	0.0102		0.0102	0.0102	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0655	0.3345	2.2900	3.5000e-003		0.0102	0.0102		0.0102	0.0102	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

3.3 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.3 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0658	0.3358	2.2988	3.5200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0658	0.3358	2.2988	3.5200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

3.3 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

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3.3 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0585	0.3166	2.2922	4.0400e-003		7.0900e-003	7.0900e-003		7.0900e-003	7.0900e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0585	0.3166	2.2922	4.0400e-003		7.0900e-003	7.0900e-003		7.0900e-003	7.0900e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

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3.3 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

3.3 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0497	0.2693	1.9497	3.4400e-003		6.0300e-003	6.0300e-003		6.0300e-003	6.0300e-003	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	0.0497	0.2693	1.9497	3.4400e-003		6.0300e-003	6.0300e-003		6.0300e-003	6.0300e-003	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680

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3.3 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

3.4 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278

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3.4 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.8000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0122	0.1730	2.8000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277

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3.4 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

3.5 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281
Total	5.6617	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281

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3.5 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-004	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280
Total	5.6607	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280

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3.5 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

3.5 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2980	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.5 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-005	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2979	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.5 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
NaturalGas Mitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653
NaturalGas Unmitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Unmitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	66.5763	1.4832	0.0359	114.3424
Unmitigated	83.2203	1.8540	0.0448	142.9280

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	51.5368 / 32.4906	75.2923	1.6845	0.0407	129.5395
City Park	0 / 0.762548	0.4007	4.0000e-005	1.0000e-005	0.4038
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.18508 / 3.17795	7.5273	0.1695	4.1000e-003	12.9847
Total		83.2203	1.8540	0.0448	142.9280

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	41.2295 / 25.9925	60.2338	1.3476	0.0326	103.6316
City Park	0 / 0.610038	0.3206	3.0000e-005	1.0000e-005	0.3230
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.14806 / 2.54236	6.0219	0.1356	3.2800e-003	10.3878
Total		66.5763	1.4832	0.0359	114.3424

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.7923	5.2475	0.0000	219.9792
Unmitigated	88.7923	5.2475	0.0000	219.9792

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

CityWalk Master Plan Mitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	5,350.00	Space	7.60	2,140,000.00	0
Enclosed Parking with Elevator	5,681.00	Space	0.00	2,272,400.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	12.69	Acre	12.69	552,776.40	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Low Rise	2,757.00	Dwelling Unit	56.31	2,757,000.00	8272
Regional Shopping Center	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Phases 7-14 Mitigated Construction (Tier IV Mitigation)

Bishop Ranch 2600

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 2600 based conceptual site plan on final project description.

Phases 7-14 (a portion of Bishop Ranch 2600 is included in Phase 1)

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Plan construction phases 7-14 anticipated schedule: 2032-2048.

Trips and VMT -

Architectural Coating -

Vehicle Trips - Construction run only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Construction run only

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier IV mitigation for construction equipment >50 HP

Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1,550.00	3,800.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	468.69	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	48.15	7.60
tblLandUse	LotAcreage	51.13	0.00

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tblLandUse	LotAcreage	172.31	56.31
tblLandUse	Population	7,885.00	8,272.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.7648	5.6659	6.0834	0.0334	2.8199	0.0569	2.8768	0.8591	0.0562	0.9153	0.0000	3,108.5765	3,108.5765	0.0847	0.0000	3,110.6939
2033	1.1813	11.0503	10.1161	0.0671	5.1889	0.0451	5.2340	1.4022	0.0434	1.4456	0.0000	6,253.5646	6,253.5646	0.1527	0.0000	6,257.3821
2034	1.1339	10.9551	9.8412	0.0667	5.1890	0.0440	5.2329	1.4023	0.0424	1.4446	0.0000	6,211.0354	6,211.0354	0.1499	0.0000	6,214.7819
2035	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2036	1.0892	10.8558	9.6745	0.0668	5.2289	0.0358	5.2646	1.4130	0.0342	1.4473	0.0000	6,222.8564	6,222.8564	0.1476	0.0000	6,226.5468
2037	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2038	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1050	6,199.1050	0.1471	0.0000	6,202.7814
2039	1.0809	10.7729	9.6007	0.0663	5.1890	0.0355	5.2244	1.4023	0.0340	1.4362	0.0000	6,175.3537	6,175.3537	0.1465	0.0000	6,179.0159
2040	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2041	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2042	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2043	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2044	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8337	6,101.8337	0.1393	0.0000	6,105.3153
2045	0.8879	10.3502	8.6057	0.0648	5.1890	0.0287	5.2177	1.4023	0.0275	1.4297	0.0000	6,039.6201	6,039.6201	0.1355	0.0000	6,043.0083
2046	0.8914	10.3900	8.6388	0.0650	5.2090	0.0288	5.2377	1.4077	0.0276	1.4352	0.0000	6,062.8494	6,062.8494	0.1361	0.0000	6,066.2506
2047	20.8206	1.9365	2.6901	0.0143	1.1992	0.0122	1.2114	0.3225	0.0120	0.3345	0.0000	1,313.7547	1,313.7547	0.0283	0.0000	1,314.4616
2048	0.1892	5.8000e-004	3.8900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.8206	11.0503	10.1161	0.0671	5.2289	0.0569	5.2646	1.4130	0.0562	1.4473	0.0000	6,253.5646	6,253.5646	0.1527	0.0000	6,257.3821

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2.1 Overall Construction

Mitigated Construction

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.5235	4.5538	6.9318	0.0334	2.4502	0.0220	2.4722	0.7058	0.0212	0.7270	0.0000	3,108.575 8	3,108.575 8	0.0847	0.0000	3,110.6931
2033	1.0693	10.3341	10.2992	0.0671	5.1889	0.0329	5.2218	1.4022	0.0312	1.4334	0.0000	6,253.564 2	6,253.564 2	0.1527	0.0000	6,257.381 7
2034	1.0219	10.2389	10.0242	0.0667	5.1890	0.0318	5.2207	1.4023	0.0302	1.4324	0.0000	6,211.0349	6,211.0349	0.1499	0.0000	6,214.781 5
2035	0.9827	10.1903	9.8247	0.0665	5.2089	0.0298	5.2387	1.4076	0.0283	1.4359	0.0000	6,199.104 6	6,199.104 6	0.1471	0.0000	6,202.781 0
2036	0.9865	10.2294	9.8623	0.0668	5.2289	0.0299	5.2588	1.4130	0.0284	1.4414	0.0000	6,222.856 0	6,222.856 0	0.1476	0.0000	6,226.546 4
2037	0.9827	10.1903	9.8247	0.0665	5.2089	0.0298	5.2387	1.4076	0.0283	1.4359	0.0000	6,199.104 6	6,199.104 6	0.1471	0.0000	6,202.781 0
2038	0.9827	10.1903	9.8247	0.0665	5.2089	0.0298	5.2387	1.4076	0.0283	1.4359	0.0000	6,199.104 6	6,199.104 6	0.1471	0.0000	6,202.781 0
2039	0.9789	10.1513	9.7870	0.0663	5.1890	0.0297	5.2187	1.4023	0.0282	1.4304	0.0000	6,175.353 3	6,175.353 3	0.1465	0.0000	6,179.015 5
2040	0.8433	9.9165	9.0981	0.0654	5.2090	0.0262	5.2351	1.4077	0.0249	1.4325	0.0000	6,101.833 3	6,101.833 3	0.1393	0.0000	6,105.314 9
2041	0.8433	9.9165	9.0981	0.0654	5.2090	0.0262	5.2351	1.4077	0.0249	1.4325	0.0000	6,101.833 3	6,101.833 3	0.1393	0.0000	6,105.314 9
2042	0.8433	9.9165	9.0981	0.0654	5.2090	0.0262	5.2351	1.4077	0.0249	1.4325	0.0000	6,101.833 3	6,101.833 3	0.1393	0.0000	6,105.314 9
2043	0.8433	9.9165	9.0981	0.0654	5.2090	0.0262	5.2351	1.4077	0.0249	1.4325	0.0000	6,101.833 3	6,101.833 3	0.1393	0.0000	6,105.314 9
2044	0.8433	9.9165	9.0981	0.0654	5.2090	0.0262	5.2351	1.4077	0.0249	1.4325	0.0000	6,101.833 3	6,101.833 3	0.1393	0.0000	6,105.314 9
2045	0.7883	9.7613	8.7914	0.0648	5.1890	0.0247	5.2137	1.4023	0.0235	1.4258	0.0000	6,039.619 7	6,039.619 7	0.1355	0.0000	6,043.007 9
2046	0.7914	9.7988	8.8252	0.0650	5.2090	0.0248	5.2338	1.4077	0.0236	1.4313	0.0000	6,062.849 0	6,062.849 0	0.1361	0.0000	6,066.250 2
2047	20.7597	1.6745	2.8036	0.0143	1.1992	7.0400e-003	1.2063	0.3225	6.7900e-003	0.3293	0.0000	1,313.754 5	1,313.754 5	0.0283	0.0000	1,314.461 3
2048	0.1891	2.8000e-004	3.9100e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.7597	10.3341	10.2992	0.0671	5.2289	0.0329	5.2588	1.4130	0.0312	1.4414	0.0000	6,253.564 2	6,253.564 2	0.1527	0.0000	6,257.381 7

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.83	6.41	-2.57	0.00	0.48	22.29	0.63	0.73	23.17	1.28	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2032	3-31-2032	0.5583	0.1336
2	4-1-2032	6-30-2032	0.5581	0.1335
3	7-1-2032	9-30-2032	2.1470	1.8540
4	10-1-2032	12-31-2032	3.1618	2.9525
5	1-1-2033	3-31-2033	3.0513	2.8466
6	4-1-2033	6-30-2033	3.0446	2.8376
7	7-1-2033	9-30-2033	3.0781	2.8688
8	10-1-2033	12-31-2033	3.1191	2.9098
9	1-1-2034	3-31-2034	3.0144	2.8096
10	4-1-2034	6-30-2034	3.0086	2.8016
11	7-1-2034	9-30-2034	3.0417	2.8324
12	10-1-2034	12-31-2034	3.0813	2.8720
13	1-1-2035	3-31-2035	2.9548	2.7759
14	4-1-2035	6-30-2035	2.9495	2.7686
15	7-1-2035	9-30-2035	2.9819	2.7990
16	10-1-2035	12-31-2035	3.0204	2.8376
17	1-1-2036	3-31-2036	2.9876	2.8067
18	4-1-2036	6-30-2036	2.9495	2.7686
19	7-1-2036	9-30-2036	2.9819	2.7990
20	10-1-2036	12-31-2036	3.0204	2.8376
21	1-1-2037	3-31-2037	2.9548	2.7759
22	4-1-2037	6-30-2037	2.9495	2.7686

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23	7-1-2037	9-30-2037	2.9819	2.7990
24	10-1-2037	12-31-2037	3.0204	2.8376
25	1-1-2038	3-31-2038	2.9548	2.7759
26	4-1-2038	6-30-2038	2.9495	2.7686
27	7-1-2038	9-30-2038	2.9819	2.7990
28	10-1-2038	12-31-2038	3.0204	2.8376
29	1-1-2039	3-31-2039	2.9548	2.7759
30	4-1-2039	6-30-2039	2.9495	2.7686
31	7-1-2039	9-30-2039	2.9819	2.7990
32	10-1-2039	12-31-2039	3.0204	2.8376
33	1-1-2040	3-31-2040	2.8710	2.6989
34	4-1-2040	6-30-2040	2.8364	2.6643
35	7-1-2040	9-30-2040	2.8676	2.6936
36	10-1-2040	12-31-2040	2.9025	2.7285
37	1-1-2041	3-31-2041	2.8395	2.6692
38	4-1-2041	6-30-2041	2.8364	2.6643
39	7-1-2041	9-30-2041	2.8676	2.6936
40	10-1-2041	12-31-2041	2.9025	2.7285
41	1-1-2042	3-31-2042	2.8395	2.6692
42	4-1-2042	6-30-2042	2.8364	2.6643
43	7-1-2042	9-30-2042	2.8676	2.6936
44	10-1-2042	12-31-2042	2.9025	2.7285
45	1-1-2043	3-31-2043	2.8395	2.6692
46	4-1-2043	6-30-2043	2.8364	2.6643
47	7-1-2043	9-30-2043	2.8676	2.6936
48	10-1-2043	12-31-2043	2.9025	2.7285
49	1-1-2044	3-31-2044	2.8710	2.6989

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50	4-1-2044	6-30-2044	2.8364	2.6643
51	7-1-2044	9-30-2044	2.8676	2.6936
52	10-1-2044	12-31-2044	2.9025	2.7285
53	1-1-2045	3-31-2045	2.7964	2.6261
54	4-1-2045	6-30-2045	2.7937	2.6216
55	7-1-2045	9-30-2045	2.8244	2.6504
56	10-1-2045	12-31-2045	2.8585	2.6845
57	1-1-2046	3-31-2046	2.7964	2.6261
58	4-1-2046	6-30-2046	2.7937	2.6216
59	7-1-2046	9-30-2046	2.8244	2.6504
60	10-1-2046	12-31-2046	2.8585	2.6845
61	1-1-2047	3-31-2047	1.8557	1.7098
62	4-1-2047	6-30-2047	0.1524	0.0493
63	7-1-2047	9-30-2047	8.3198	8.2698
64	10-1-2047	12-31-2047	12.4746	12.4521
65	1-1-2048	3-31-2048	0.1356	0.1353
		Highest	12.4746	12.4521

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	58.4210	218.2100	276.6310	6.0195	0.1456	470.5189
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	340.9093	7,675.8652	8,016.7745	23.2857	0.2806	8,682.5195

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	46.7368	174.5680	221.3048	4.8156	0.1165	376.4151
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	329.2251	7,632.2232	7,961.4483	22.0818	0.2514	8,588.4157

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	0.57	0.69	5.17	10.38	1.08

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2032	8/4/2032	5	155	
2	Building Construction	Building Construction	8/5/2032	2/27/2047	5	3800	
3	Paving	Paving	2/28/2047	7/31/2047	5	110	
4	Architectural Coating	Architectural Coating	8/1/2047	1/1/2048	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 7.6

Residential Indoor: 5,582,925; Residential Outdoor: 1,860,975; Non-Residential Indoor: 125,625; Non-Residential Outdoor: 41,875; Striped Parking Area: 264,744 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,102.00	1,122.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	820.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6722	0.0000	0.6722	0.2787	0.0000	0.2787	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2543	1.0731	1.7844	5.4200e-003		0.0378	0.0378		0.0378	0.0378	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431
Total	0.2543	1.0731	1.7844	5.4200e-003	0.6722	0.0378	0.7100	0.2787	0.0378	0.3165	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.2 Grading - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3025	0.0000	0.3025	0.1254	0.0000	0.1254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0590	0.2558	2.5574	5.4200e-003		7.8700e-003	7.8700e-003		7.8700e-003	7.8700e-003	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425
Total	0.0590	0.2558	2.5574	5.4200e-003	0.3025	7.8700e-003	0.3104	0.1254	7.8700e-003	0.1333	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425

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3.2 Grading - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

3.3 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717
Total	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0240	0.1298	0.9397	1.6600e-003		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715
Total	0.0240	0.1298	0.9397	1.6600e-003		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

3.3 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

3.3 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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3.3 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

3.3 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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3.3 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

3.3 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

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3.3 Building Construction - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0566	0.3117	2.2992	4.0600e-003		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.0566	0.3117	2.2992	4.0600e-003		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

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3.3 Building Construction - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

3.3 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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3.3 Building Construction - 2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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3.3 Building Construction - 2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

3.3 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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3.3 Building Construction - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0564	0.3105	2.2904	4.0400e-003		5.9900e-003	5.9900e-003		5.9900e-003	5.9900e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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3.3 Building Construction - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

3.3 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375

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3.3 Building Construction - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3094	2.2817	4.0200e-003		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371
Total	0.0562	0.3094	2.2817	4.0200e-003		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371

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3.3 Building Construction - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

3.3 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.3 Building Construction - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

3.3 Building Construction - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.3 Building Construction - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

3.3 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.3 Building Construction - 2042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

3.3 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2043

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2043

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

3.3 Building Construction - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.3 Building Construction - 2044

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2044

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

3.3 Building Construction - 2045

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264

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3.3 Building Construction - 2045

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0560	0.3068	2.2810	4.0200e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260
Total	0.0560	0.3068	2.2810	4.0200e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260

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3.3 Building Construction - 2045

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

3.3 Building Construction - 2046

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.3 Building Construction - 2046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0562	0.3080	2.2898	4.0400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.3 Building Construction - 2046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

3.3 Building Construction - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

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3.3 Building Construction - 2047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0500e-003	0.0496	0.3685	6.5000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	9.0500e-003	0.0496	0.3685	6.5000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

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3.3 Building Construction - 2047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

3.4 Paving - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587

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3.4 Paving - 2047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0154	0.0669	0.9513	1.5400e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0154	0.0669	0.9513	1.5400e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585

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3.4 Paving - 2047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

3.5 Architectural Coating - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5822	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

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3.5 Architectural Coating - 2047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	7.0200e-003	0.0999	1.6000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5775	7.0200e-003	0.0999	1.6000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

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3.5 Architectural Coating - 2047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

3.5 Architectural Coating - 2048

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

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3.5 Architectural Coating - 2048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-005	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	6.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

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3.5 Architectural Coating - 2048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Arena	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
City Park	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Enclosed Parking with Elevator	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Health Club	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Regional Shopping Center	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
NaturalGas Mitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003
NaturalGas Unmitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Unmitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	221.3048	4.8156	0.1165	376.4151
Unmitigated	276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	179.63 / 113.245	262.4284	5.8712	0.1419	451.5049
Arena	1.03654 / 0.0661622	1.2057	0.0339	8.1000e-004	2.2944
City Park	0 / 15.1199	7.9453	7.0000e-004	1.4000e-004	8.0056
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	1.2879	0.0290	7.0000e-004	2.2216
Regional Shopping Center	2.59254 / 1.58898	3.7637	0.0847	2.0500e-003	6.4924
Total		276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	143.704 / 90.5958	209.9427	4.6970	0.1136	361.2039
Arena	0.829232 / 0.0529297	0.9646	0.0271	6.5000e-004	1.8355
City Park	0 / 12.0959	6.3563	5.6000e-004	1.2000e-004	6.4045
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	1.0303	0.0232	5.6000e-004	1.7773
Regional Shopping Center	2.07403 / 1.27118	3.0109	0.0678	1.6400e-003	5.1939
Total		221.3048	4.8156	0.1165	376.4151

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	282.4883	16.6946	0.0000	699.8528
Unmitigated	282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

CityWalk Master Plan Bishop Ranch 2600 Mitigated Construction—Phases 7-14 - Contra Costa County, Annual

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

CityWalk Master Plan—Unmitigated 2045 Operations
Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Unmitigated 2045 Operations. CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Area Mitigation - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00

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tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10

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tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.8224	22.2557	70.6964	0.2222	24.9735	0.4861	25.4595	6.6946	0.4807	7.1753	590.9117	21,986.1707	22,577.0823	39.8608	0.2985	23,662.5689

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	2.1071	15.0775	17.2005	0.0800	8.3037	0.0332	8.3369	2.2260	0.0309	2.2568	0.0000	7,417.5440	7,417.5440	0.2739	0.0000	7,424.3914
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	21.9208	18.2653	52.0261	0.0994	8.3037	0.4426	8.7462	2.2260	0.4402	2.6661	571.1341	10,675.5850	11,246.7191	37.5910	0.2506	12,261.1674

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.95	17.93	26.41	55.25	66.75	8.95	65.65	66.75	8.43	62.84	3.35	51.44	50.19	5.69	16.06	48.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1071	15.0775	17.2005	0.0800	8.3037	0.0332	8.3369	2.2260	0.0309	2.2568	0.0000	7,417.5440	7,417.5440	0.2739	0.0000	7,424.3914
Unmitigated	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381

4.2 Trip Summary Information

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Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,871,164
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	853,180
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,538,736
Total	32,159.34	31,135.03	22,913.15	66,956,631	22,263,080

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Arena	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Enclosed Parking with Elevator	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Health Club	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Hotel	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Regional Shopping Center	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
NaturalGas Unmitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Unmitigated 2050 Operations. CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Area Mitigation - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00

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tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10

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tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.6929	22.1955	69.8566	0.2218	24.9707	0.4827	25.4534	6.6933	0.4776	7.1709	590.9117	21,948.1894	22,539.1011	39.8542	0.2985	23,624.4243

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	1.9868	15.0864	16.7092	0.0800	8.3028	0.0316	8.3344	2.2255	0.0293	2.2549	0.0000	7,418.6847	7,418.6847	0.2700	0.0000	7,425.4345
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	21.8005	18.2742	51.5348	0.0994	8.3028	0.4409	8.7437	2.2255	0.4387	2.6642	571.1341	10,676.7258	11,247.8599	37.5871	0.2506	12,262.2106

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.93	17.67	26.23	55.17	66.75	8.66	65.65	66.75	8.15	62.85	3.35	51.35	50.10	5.69	16.06	48.10

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9868	15.0864	16.7092	0.0800	8.3028	0.0316	8.3344	2.2255	0.0293	2.2549	0.0000	7,418.6847	7,418.6847	0.2700	0.0000	7,425.4345
Unmitigated	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935

4.2 Trip Summary Information

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Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,871,164
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	853,180
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,538,736
Total	32,159.34	31,135.03	22,913.15	66,956,631	22,263,080

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Arena	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Enclosed Parking with Elevator	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Health Club	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Hotel	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Regional Shopping Center	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
NaturalGas Unmitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

**CityWalk Master Plan—Mitigated 2045 Operations
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Mitigated 2045 Operations. CA RPS requires 100% of State's electricity to come from carbon-free resources by 2045. Run includes incorporation of air quality mitigation.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use - No natural gas in residential development as required by mitigation.

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Mobile Commute Mitigation - Required by air quality mitigation.

Area Mitigation - No woodburning (regulations). No natural gas in residential development (mitigation). Statewide average to represent electric landscaping equipment. Low VOC paint (mitigation).

Energy Mitigation -

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24NG	7,043.85	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0

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tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10
tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
Mobile	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.5749	20.1409	69.7965	0.2087	24.9735	0.3151	25.2885	6.6946	0.3097	7.0043	590.9117	19,537.0480	20,127.9597	39.8138	0.2536	21,198.8923

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Energy	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
Mobile	2.0921	15.0113	16.8905	0.0780	8.0269	0.0325	8.0594	2.1518	0.0302	2.1819	0.0000	7,229.7409	7,229.7409	0.2699	0.0000	7,236.4893
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	18.5309	16.0092	50.5440	0.0834	8.0269	0.2636	8.2904	2.1518	0.2612	2.4130	571.1341	7,953.8981	8,525.0322	37.5377	0.2041	9,524.3080

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.91	20.51	27.58	60.04	67.86	16.35	67.22	67.86	15.66	65.55	3.35	59.29	57.65	5.72	19.52	55.07

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures
- Implement Trip Reduction Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0921	15.0113	16.8905	0.0780	8.0269	0.0325	8.0594	2.1518	0.0302	2.1819	0.0000	7,229.7409	7,229.7409	0.2699	0.0000	7,236.4893
Unmitigated	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381

4.2 Trip Summary Information

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,352,128
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	809,778
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,359,073
Total	32,159.34	31,135.03	22,913.15	66,956,631	21,520,980

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Arena	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Enclosed Parking with Elevator	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Health Club	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Hotel	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Regional Shopping Center	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
NaturalGas Unmitigated	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935	
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415	
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803	
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192	
Total		0.0677	0.6153	0.5169	3.7000e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345	

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.0677	0.6153	0.5169	3.7000e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4018					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9910	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Total	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan—Mitigated 2045 Operations - Contra Costa County, Annual

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

**CityWalk Master Plan—Mitigated 2050 Operations
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Mitigated 2050 Operations. CA RPS requires 100% of State's electricity to come from carbon-free resources by 2045. Run includes incorporation of air quality mitigation.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use - No natural gas in residential development as required by mitigation.

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Mobile Commute Mitigation - Required by air quality mitigation.

Area Mitigation - No woodburning (regulations). No natural gas in residential development (mitigation). Statewide average to represent electric landscaping equipment. Low VOC paint (mitigation).

Energy Mitigation -

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24NG	7,043.85	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10
tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
Mobile	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.4454	20.0808	68.9567	0.2083	24.9707	0.3117	25.2824	6.6933	0.3066	6.9999	590.9117	19,499.0668	20,089.9785	39.8073	0.2536	21,160.7478

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Energy	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
Mobile	1.9720	15.0212	16.4050	0.0780	8.0260	0.0309	8.0569	2.1513	0.0287	2.1800	0.0000	7,231.5312	7,231.5312	0.2661	0.0000	7,238.1831
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	18.4108	16.0192	50.0586	0.0834	8.0260	0.2619	8.2879	2.1513	0.2597	2.4111	571.1341	7,955.6885	8,526.8226	37.5338	0.2041	9,526.0019

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.98	20.23	27.41	59.95	67.86	15.97	67.22	67.86	15.29	65.56	3.35	59.20	57.56	5.71	19.52	54.98

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures
- Implement Trip Reduction Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9720	15.0212	16.4050	0.0780	8.0260	0.0309	8.0569	2.1513	0.0287	2.1800	0.0000	7,231.5312	7,231.5312	0.2661	0.0000	7,238.1831
Unmitigated	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935

4.2 Trip Summary Information

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,352,128
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	809,778
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,359,073
Total	32,159.34	31,135.03	22,913.15	66,956,631	21,520,980

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Arena	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Enclosed Parking with Elevator	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Health Club	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Hotel	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Regional Shopping Center	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345
NaturalGas Unmitigated	0.0677	0.6153	0.5169	3.6900e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.0677	0.6153	0.5169	3.7000e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.0677	0.6153	0.5169	3.7000e-003		0.0468	0.0468		0.0468	0.0468	0.0000	669.8539	669.8539	0.0128	0.0123	673.8345

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4018					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9910	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974
Total	16.3711	0.3826	33.1367	1.7500e-003		0.1843	0.1843		0.1843	0.1843	0.0000	54.3034	54.3034	0.0518	0.0000	55.5974

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan—Mitigated 2050 Operations - Contra Costa County, Annual

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

C.2 - Construction Health Risk Assessment

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Construction Health Risk Assessment

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Note: * Complete AERMOD files available upon request.

Scenario 1

Existing Off-site Receptors Exposed to all Phases of Construction

City of San Ramon—CityWalk Master Plan EIR

Scenario 1—Existing Off-site Receptors Exposed to all Phases of Construction

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2021	Total
End of Construction	1/1/2048	—
Number of Days	9,861	9,861
Number of Hours	236,664	236,664
Number of Construction Days	7,044	7,044
Number of Construction Hours (8 hours/day)	56,352	56,352
Correction factor to account for non-continuous exposure	4.2	—

CalEEMod

Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Run 1	2021	Site Work for the Entire Project Site	0.1219	0.3046	2021	Site Work for the Entire Project Site	0.0062	0.1890
Run 2	2021	Phase 1	0.1045	0.1287	2021	Phase 1	0.0111	0.0354
Run 2	2022	Phase 1	0.0551	0.0551	2022	Phase 1	0.0070	0.0070
Run 3	2022	Bishop Ranch 1A—Phases 2-3	0.1000	0.1152	2022	Bishop Ranch 1A—Phases 2-3	0.0127	0.0279
Run 3	2023	Bishop Ranch 1A—Phases 2-3	0.0856	0.0856	2023	Bishop Ranch 1A—Phases 2-3	0.0121	0.0121
Run 3	2024	Bishop Ranch 1A—Phases 2-3	0.0756	0.0756	2024	Bishop Ranch 1A—Phases 2-3	0.0112	0.0112
Run 3	2025	Bishop Ranch 1A—Phases 2-3	0.0594	0.0594	2025	Bishop Ranch 1A—Phases 2-3	0.0092	0.0092
Run 3	2026	Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	2026	Bishop Ranch 1A—Phases 2-3	0.0000	0.0000
Run 4	2026	Phases 4-6 (Bishop Ranch 3A)	0.0729	0.0972	2026	Phases 4-6 (Bishop Ranch 3A)	0.0106	0.0349
Run 4	2027	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2027	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2028	Phases 4-6 (Bishop Ranch 3A)	0.0645	0.0645	2028	Phases 4-6 (Bishop Ranch 3A)	0.0102	0.0102
Run 4	2029	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2029	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2030	Phases 4-6 (Bishop Ranch 3A)	0.0193	0.0193	2030	Phases 4-6 (Bishop Ranch 3A)	0.0071	0.0071
Run 4	2031	Phases 4-6 (Bishop Ranch 3A)	0.0199	0.0199	2031	Phases 4-6 (Bishop Ranch 3A)	0.0064	0.0064
Run 4	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Run 5	2032	Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	2032	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Run 5	2033	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2033	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2034	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2034	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2035	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2035	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2036	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2036	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2037	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2037	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2038	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2038	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2039	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2039	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2040	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2040	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2041	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2041	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2042	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2042	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2043	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2043	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2044	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2044	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2045	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2045	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Run 5	2046	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2046	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2047	Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	2047	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Run 5	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
		Total	1.1273	1.4992		Total	0.2220	0.5940

Totals by Run

Run 1-Site Work for the Entire Project Site	0.1219	0.3046	0.0062	0.1890
Run 2-Phase 1	0.1596	0.1838	0.0181	0.0424
Run 3-Bishop Ranch 1A—Phases 2-3	0.3206	0.3358	0.0452	0.0604
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.3062	0.3305	0.0549	0.0792
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	1.1273	1.4992	0.2220	0.5940

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
	Bishop Ranch 1A	0.3305		0.3606	Bishop Ranch 1A
Bishop Ranch 3A	0.3190	0.3593	Bishop Ranch 3A	0.0557	0.0961
Bishop Ranch 2600	0.4778	0.7793	Bishop Ranch 2600	0.1206	0.4222
Total	1.1273	1.4992	Total	0.2220	0.5940

Bishop Ranch 1A

Total Unmitigated DPM (On-site) 3.305E-01 tons
 Average Emission 3.001E+05 grams
 1.479E-03 grams/sec
 1.479E-03 grams/m2-sec

Total Unmitigated PM2.5 (On-site) 3.606E-01 tons
 Average Emission 3.274E+05 grams
 1.614E-03 grams/sec
 1.614E-03 grams/m2-sec

Total Mitigated DPM (On-site) 4.565E-02 tons
 Average Emission 4.145E+04 grams
 2.043E-04 grams/sec
 2.043E-04 grams/m2-sec

Total Mitigated PM2.5 (On-site) 7.572E-02 tons
 Average Emission 6.875E+04 grams
 3.389E-04 grams/sec
 3.389E-04 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site) 3.190E-01 tons
 Average Emission 2.896E+05 grams
 1.428E-03 grams/sec
 1.428E-03 grams/m2-sec

Total Unmitigated PM2.5 (On-site) 3.593E-01 tons
 Average Emission 3.263E+05 grams
 1.608E-03 grams/sec
 1.608E-03 grams/m2-sec

Total Mitigated DPM (On-site) 5.572E-02 tons
 Average Emission 5.060E+04 grams
 2.494E-04 grams/sec
 2.494E-04 grams/m2-sec

Total Mitigated PM2.5 (On-site) 9.608E-02 tons
 Average Emission 8.724E+04 grams
 4.300E-04 grams/sec
 4.300E-04 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site) 4.778E-01 tons
 Average Emission 4.338E+05 grams
 2.138E-03 grams/sec
 2.138E-03 grams/m2-sec

Total Unmitigated PM2.5 (On-site) 7.793E-01 tons
 Average Emission 7.076E+05 grams
 3.488E-03 grams/sec
 3.488E-03 grams/m2-sec

Total Mitigated DPM (On-site) 1.206E-01 tons
 Average Emission 1.095E+05 grams
 5.399E-04 grams/sec
 5.399E-04 grams/m2-sec

Total Mitigated PM2.5 (On-site) 4.222E-01 tons
 Average Emission 3.834E+05 grams
 1.890E-03 grams/sec
 1.890E-03 grams/m2-sec

City of San Ramon - CityWalk Master Plan EIR

Scenario 1 - Existing Office Receptors Exposed to Air Phases of Construction Construction Annual OPM Emissions (PM2.5) + Road Segment 5 (grams/m2/24hr)

Annual Average Office OPM Rate - Bishop Ranch 1A (grams/m2/24hr)
 Annual Average Office OPM Rate - Bishop Ranch 2000 (grams/m2/24hr)
 Annual Average Office OPM Rate - Bishop Ranch 2000 (grams/m2/24hr)
 Annual Average Office OPM Rate - Road Segment 5 (grams/m2/24hr)
 Annual Average Office OPM Rate - Road Segment 5 (grams/m2/24hr)
 Annual Average Office OPM Rate - Road Segment 5 (grams/m2/24hr)

Unmitigated Concentrations

1.48E-01
 2.14E-01
 3.81E-01
 6.73E-06
 7.04E-06

Maximum OPM (ug/m3)	MMR	UTM	Y
8.87E-01	X	59208.16	4180048.45

X	Y	Onsite Bishop Ranch 1A		Onsite Bishop Ranch 2000		Onsite Bishop Ranch 2000		Onsite Bishop Ranch 1A		Onsite Bishop Ranch 2000		Onsite Bishop Ranch 1A		Onsite Bishop Ranch 2000		Total OPM (ug/m3)	
		Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED	Unit Emissions	VALUES AVERAGED		
5208216	4180044.45	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465	15.5662	0.8465
5209048	4180056.45	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322	49.9405	0.7322
5209097	4180024.45	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504
5209146	4180036.45	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583	44.5702	1.5583
5209195	4180048.45	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504
5209244	4180016.45	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128	39.9696	0.9128
5209293	4180028.45	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141	46.9738	0.7141
5209342	4180040.45	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504	49.9609	0.8504
5209391	4180008.45	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488	46.9833	1.5488
5209440	4180020.45	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507	51.9507	0.5507
5209489	4180179.45	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639	42.9415	0.4639
5209538	4180191.45	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125	47.0020	0.6125
5209587	4180197.45	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333	14.9636	1.2333
5209636	4180247.45	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729
5209685	4180216.45	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670
5209734	4180228.45	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174
5209783	4180177.45	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864
5209832	4180208.45	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629
5209881	4180214.45	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625
5209930	4180195.45	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314
5209979	4180066.45	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294
5210028	4180025.45	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473
5210077	4180017.45	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473	31.9882	1.0473
5210126	4180004.45	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663	33.9946	0.8663
5210175	4180017.45	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621	20.9997	0.4621
5210224	4180047.45	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729
5210273	4180216.45	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670
5210322	4180228.45	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174
5210371	4180177.45	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864
5210420	4180208.45	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629
5210469	4180214.45	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625
5210518	4180195.45	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314
5210567	4180205.45	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294
5210616	4180187.45	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729
5210665	4180216.45	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670
5210714	4180228.45	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174
5210763	4180177.45	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864
5210812	4180208.45	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629
5210861	4180214.45	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625
5210910	4180195.45	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314
5210959	4180205.45	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294
5211008	4180187.45	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729	41.8224	1.0729
5211057	4180216.45	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670	29.9312	0.4670
5211106	4180228.45	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174	46.6223	1.3174
5211155	4180177.45	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864	41.8715	2.7864
5211204	4180208.45	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629	15.5475	1.8629
5211253	4180214.45	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625	1.9843	1.8625
5211302	4180195.45	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314	39.9673	0.6314
5211351	4180205.45	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669	0.8294	29.9669</							

591829.31	418074.11	0.15102	0.33483	1.11285	0.36554	0.40563	0.34563	0.39832	2.23204	4.78820	2.38820	3.06626	2.74626	3.34826	2.83826	3.08782
591830.00	418074.34	0.15108	0.33488	1.11291	0.36559	0.40569	0.34568	0.39837	2.23210	4.78826	2.38826	3.06632	2.74632	3.34832	2.83832	3.08788
591830.69	418074.57	0.15114	0.33493	1.11296	0.36564	0.40574	0.34573	0.39842	2.23216	4.78832	2.38832	3.06638	2.74638	3.34838	2.83838	3.08794
591831.38	418074.80	0.15120	0.33498	1.11302	0.36569	0.40580	0.34578	0.39847	2.23222	4.78838	2.38838	3.06644	2.74644	3.34844	2.83844	3.08800
591832.07	418075.03	0.15126	0.33503	1.11307	0.36574	0.40585	0.34583	0.39852	2.23228	4.78844	2.38844	3.06650	2.74650	3.34850	2.83850	3.08806
591832.76	418075.26	0.15132	0.33508	1.11313	0.36579	0.40591	0.34588	0.39857	2.23234	4.78850	2.38850	3.06656	2.74656	3.34856	2.83856	3.08812
591833.45	418075.49	0.15138	0.33513	1.11318	0.36584	0.40596	0.34593	0.39862	2.23240	4.78856	2.38856	3.06662	2.74662	3.34862	2.83862	3.08818
591834.14	418075.72	0.15144	0.33518	1.11324	0.36589	0.40602	0.34598	0.39867	2.23246	4.78862	2.38862	3.06668	2.74668	3.34868	2.83868	3.08824
591834.83	418075.95	0.15150	0.33523	1.11329	0.36594	0.40607	0.34603	0.39872	2.23252	4.78868	2.38868	3.06674	2.74674	3.34874	2.83874	3.08830
591835.52	418076.18	0.15156	0.33528	1.11335	0.36599	0.40613	0.34608	0.39877	2.23258	4.78874	2.38874	3.06680	2.74680	3.34880	2.83880	3.08836
591836.21	418076.41	0.15162	0.33533	1.11340	0.36604	0.40618	0.34613	0.39882	2.23264	4.78880	2.38880	3.06686	2.74686	3.34886	2.83886	3.08842
591836.90	418076.64	0.15168	0.33538	1.11346	0.36609	0.40624	0.34618	0.39887	2.23270	4.78886	2.38886	3.06692	2.74692	3.34892	2.83892	3.08848
591837.59	418076.87	0.15174	0.33543	1.11351	0.36614	0.40629	0.34623	0.39892	2.23276	4.78892	2.38892	3.06698	2.74698	3.34898	2.83898	3.08854
591838.28	418077.10	0.15180	0.33548	1.11357	0.36619	0.40635	0.34628	0.39897	2.23282	4.78898	2.38898	3.06704	2.74704	3.34904	2.83904	3.08860
591838.97	418077.33	0.15186	0.33553	1.11362	0.36624	0.40640	0.34633	0.39902	2.23288	4.78904	2.38904	3.06710	2.74710	3.34910	2.83910	3.08866
591839.66	418077.56	0.15192	0.33558	1.11368	0.36629	0.40646	0.34638	0.39907	2.23294	4.78910	2.38910	3.06716	2.74716	3.34916	2.83916	3.08872
591840.35	418077.79	0.15198	0.33563	1.11373	0.36634	0.40651	0.34643	0.39912	2.23300	4.78916	2.38916	3.06722	2.74722	3.34922	2.83922	3.08878
591841.04	418078.02	0.15204	0.33568	1.11379	0.36639	0.40657	0.34648	0.39917	2.23306	4.78922	2.38922	3.06728	2.74728	3.34928	2.83928	3.08884
591841.73	418078.25	0.15210	0.33573	1.11384	0.36644	0.40662	0.34653	0.39922	2.23312	4.78928	2.38928	3.06734	2.74734	3.34934	2.83934	3.08890
591842.42	418078.48	0.15216	0.33578	1.11390	0.36649	0.40668	0.34658	0.39927	2.23318	4.78934	2.38934	3.06740	2.74740	3.34940	2.83940	3.08896
591843.11	418078.71	0.15222	0.33583	1.11395	0.36654	0.40673	0.34663	0.39932	2.23324	4.78940	2.38940	3.06746	2.74746	3.34946	2.83946	3.08902
591843.80	418078.94	0.15228	0.33588	1.11401	0.36659	0.40679	0.34668	0.39937	2.23330	4.78946	2.38946	3.06752	2.74752	3.34952	2.83952	3.08908
591844.49	418079.17	0.15234	0.33593	1.11406	0.36664	0.40684	0.34673	0.39942	2.23336	4.78952	2.38952	3.06758	2.74758	3.34958	2.83958	3.08914
591845.18	418079.40	0.15240	0.33598	1.11412	0.36669	0.40690	0.34678	0.39947	2.23342	4.78958	2.38958	3.06764	2.74764	3.34964	2.83964	3.08920
591845.87	418079.63	0.15246	0.33603	1.11417	0.36674	0.40695	0.34683	0.39952	2.23348	4.78964	2.38964	3.06770	2.74770	3.34970	2.83970	3.08926
591846.56	418079.86	0.15252	0.33608	1.11423	0.36679	0.40701	0.34688	0.39957	2.23354	4.78970	2.38970	3.06776	2.74776	3.34976	2.83976	3.08932
591847.25	418080.09	0.15258	0.33613	1.11428	0.36684	0.40706	0.34693	0.39962	2.23360	4.78976	2.38976	3.06782	2.74782	3.34982	2.83982	3.08938
591847.94	418080.32	0.15264	0.33618	1.11434	0.36689	0.40712	0.34698	0.39967	2.23366	4.78982	2.38982	3.06788	2.74788	3.34988	2.83988	3.08944
591848.63	418080.55	0.15270	0.33623	1.11439	0.36694	0.40717	0.34703	0.39972	2.23372	4.78988	2.38988	3.06794	2.74794	3.34994	2.83994	3.08950
591849.32	418080.78	0.15276	0.33628	1.11445	0.36699	0.40723	0.34708	0.39977	2.23378	4.78994	2.38994	3.06800	2.74794	3.34994	2.83994	3.08956
591849.99	418081.01	0.15282	0.33633	1.11450	0.36704	0.40728	0.34713	0.39982	2.23384	4.79000	2.39000	3.06806	2.74800	3.35000	2.84000	3.08962
591850.68	418081.24	0.15288	0.33638	1.11456	0.36709	0.40734	0.34718	0.39987	2.23390	4.79006	2.39006	3.06812	2.74806	3.35006	2.84006	3.08968
591851.37	418081.47	0.15294	0.33643	1.11461	0.36714	0.40739	0.34723	0.39992	2.23396	4.79012	2.39012	3.06818	2.74812	3.35012	2.84012	3.08974
591852.06	418081.70	0.15300	0.33648	1.11467	0.36719	0.40745	0.34728	0.39997	2.23402	4.79018	2.39018	3.06824	2.74818	3.35018	2.84018	3.08980
591852.75	418081.93	0.15306	0.33653	1.11472	0.36724	0.40750	0.34733	0.39999	2.23408	4.79024	2.39024	3.06830	2.74824	3.35024	2.84024	3.08986
591853.44	418082.16	0.15312	0.33658	1.11478	0.36729	0.40756	0.34738	0.40004	2.23414	4.79030	2.39030	3.06836	2.74830	3.35030	2.84030	3.08992
591854.13	418082.39	0.15318	0.33663	1.11483	0.36734	0.40761	0.34743	0.40009	2.23420	4.79036	2.39036	3.06842	2.74836	3.35036	2.84036	3.08998
591854.82	418082.62	0.15324	0.33668	1.11489	0.36739	0.40767	0.34748	0.40014	2.23426	4.79042	2.39042	3.06848	2.74842	3.35042	2.84042	3.09004
591855.51	418082.85	0.15330	0.33673	1.11494	0.36744	0.40772	0.34753	0.40019	2.23432	4.79048	2.39048	3.06854	2.74848	3.35048	2.84048	3.09010
591856.20	418083.08	0.15336	0.33678	1.11500	0.36749	0.40778	0.34758	0.40024	2.23438	4.79054	2.39054	3.06860	2.74854	3.35054	2.84054	3.09016
591856.89	418083.31	0.15342	0.33683	1.11505	0.36754	0.40783	0.34763	0.40029	2.23444	4.79060	2.39060	3.06866	2.74860	3.35060	2.84060	3.09022
591857.58	418083.54	0.15348	0.33688	1.11511	0.36759	0.40789	0.34768	0.40034	2.23450	4.79066	2.39066	3.06872	2.74866	3.35066	2.84066	3.09028
591858.27	418083.77	0.15354	0.33693	1.11516	0.36764	0.40794	0.34773	0.40039	2.23456	4.79072	2.39072	3.06878	2.74872	3.35072	2.84072	3.09034
591858.96	418084.00	0.15360	0.33698	1.11522	0.36769	0.40800	0.34778	0.40044	2.23462	4.79078	2.39078	3.06884	2.74878	3.35078	2.84078	3.09040
591859.65	418084.23	0.15366	0.33703	1.11527	0.36774	0.40805	0.34783	0.40049	2.23468	4.79084	2.39084	3.06890	2.74884	3.35084	2.84084	3.09046
591860.34	418084.46	0.15372	0.33708	1.11533	0.36779	0.40811	0.34788	0.40054	2.23474	4.79090	2.39090	3.06896	2.74890	3.35090	2.84090	3.09052
591861.03	418084.69	0.15378	0.33713	1.11538	0.36784	0.40816	0.34793	0.40059	2.23480	4.79096	2.39096	3.06902	2.74896	3.35096	2.84096	3.09058
591861.72	418084.92	0.15384	0.33718	1.11544	0.36789	0.40822	0.34798	0.40064	2.23486	4.79102	2.39102	3.06908	2.74902	3.35102	2.84102	3.09064
591862.41	418085.15	0.15390	0.33723	1.11549	0.36794	0.40827	0.34803	0.40069	2.23492	4.79108	2.39108	3.06914	2.74908	3.35108	2.84108	3.09070
591863.10	418085.38	0.15396	0.33728	1.11555	0.36799	0.40833	0.34808	0.40074	2.23498	4.79114	2.39114	3.06920	2.74914	3.35114	2.84114	3.09076
591863.79	418085.61	0.15402	0.33733	1.11560	0.36804	0.40839	0.34813	0.40079	2.23504	4.79120	2.39120	3.06926	2.74920	3.35120	2.84120	3.09082
591864.48	418085.84	0.15408	0.33738	1.11566	0.36809	0.40844	0.34818	0.40084	2.23510	4.79126	2.39126	3.06932	2.74926	3.35126	2.84126	3.09088
591865.17	418086.07	0.15414	0.33743	1.11571	0.36814	0.40850	0.34823	0.40089	2.23516	4.79132	2.39132	3.06938	2.74932	3.35132	2.84132	3.09094
591865.86	418086.30	0.15420	0.33748	1.11577	0.36819	0.40855	0.34828	0.40094	2.23522	4.79138	2.39138	3.06944	2.74938	3.35138	2.84138	3.09100
591866.55	418086.53	0.15426	0.33753	1.11582	0.36824	0.40861	0.34833	0.40099	2.23528	4.79144	2.39144	3.06950	2.74944	3.35144	2.84144	3.09106
591867.24	418086.76	0.15432	0.33758	1.11588	0.36829	0.40866	0.34838	0.40104	2.23534	4.79150	2.39150	3.06956	2.74950	3.35150	2.84150	3.09112
591867.93	418086.99	0.15438	0.33763	1.11593	0.36834	0.40871	0.34843	0.40109	2.23540	4.79156	2.39156	3.06962	2.74956	3.35156	2.84156	3.09118
591868.62	418087.22	0.15444	0.33768	1.11599	0.36839	0.40877	0.34848	0.40114	2.23546	4.79162	2.39162	3.06968	2.74962	3.35162	2.84162	3.091

5902075	4180992.02	0.0063	0.0514	0.1894	0.0635	0.0607	0.0941	0.0007	4.5325	5.0325	3.9684	5.3107	4.1107	5.7367	4.0276	4.90764
5902076	4180993.02	0.0064	0.0515	0.1895	0.0636	0.0608	0.0942	0.0008	4.5335	5.0335	3.9685	5.3117	4.1117	5.7377	4.0286	4.90864
5902077	4180994.02	0.0065	0.0516	0.1896	0.0637	0.0609	0.0943	0.0009	4.5345	5.0345	3.9686	5.3127	4.1127	5.7387	4.0296	4.90964
5902078	4180995.02	0.0066	0.0517	0.1897	0.0638	0.0610	0.0944	0.0010	4.5355	5.0355	3.9687	5.3137	4.1137	5.7397	4.0306	4.91064
5902079	4180996.02	0.0067	0.0518	0.1898	0.0639	0.0611	0.0945	0.0011	4.5365	5.0365	3.9688	5.3147	4.1147	5.7407	4.0316	4.91164
5902080	4180997.02	0.0068	0.0519	0.1899	0.0640	0.0612	0.0946	0.0012	4.5375	5.0375	3.9689	5.3157	4.1157	5.7417	4.0326	4.91264
5902081	4180998.02	0.0069	0.0520	0.1900	0.0641	0.0613	0.0947	0.0013	4.5385	5.0385	3.9690	5.3167	4.1167	5.7427	4.0336	4.91364
5902082	4180999.02	0.0070	0.0521	0.1901	0.0642	0.0614	0.0948	0.0014	4.5395	5.0395	3.9691	5.3177	4.1177	5.7437	4.0346	4.91464
5902083	4181000.02	0.0071	0.0522	0.1902	0.0643	0.0615	0.0949	0.0015	4.5405	5.0405	3.9692	5.3187	4.1187	5.7447	4.0356	4.91564
5902084	4181001.02	0.0072	0.0523	0.1903	0.0644	0.0616	0.0950	0.0016	4.5415	5.0415	3.9693	5.3197	4.1197	5.7457	4.0366	4.91664
5902085	4181002.02	0.0073	0.0524	0.1904	0.0645	0.0617	0.0951	0.0017	4.5425	5.0425	3.9694	5.3207	4.1207	5.7467	4.0376	4.91764
5902086	4181003.02	0.0074	0.0525	0.1905	0.0646	0.0618	0.0952	0.0018	4.5435	5.0435	3.9695	5.3217	4.1217	5.7477	4.0386	4.91864
5902087	4181004.02	0.0075	0.0526	0.1906	0.0647	0.0619	0.0953	0.0019	4.5445	5.0445	3.9696	5.3227	4.1227	5.7487	4.0396	4.91964
5902088	4181005.02	0.0076	0.0527	0.1907	0.0648	0.0620	0.0954	0.0020	4.5455	5.0455	3.9697	5.3237	4.1237	5.7497	4.0406	4.92064
5902089	4181006.02	0.0077	0.0528	0.1908	0.0649	0.0621	0.0955	0.0021	4.5465	5.0465	3.9698	5.3247	4.1247	5.7507	4.0416	4.92164
5902090	4181007.02	0.0078	0.0529	0.1909	0.0650	0.0622	0.0956	0.0022	4.5475	5.0475	3.9699	5.3257	4.1257	5.7517	4.0426	4.92264
5902091	4181008.02	0.0079	0.0530	0.1910	0.0651	0.0623	0.0957	0.0023	4.5485	5.0485	3.9700	5.3267	4.1267	5.7527	4.0436	4.92364
5902092	4181009.02	0.0080	0.0531	0.1911	0.0652	0.0624	0.0958	0.0024	4.5495	5.0495	3.9701	5.3277	4.1277	5.7537	4.0446	4.92464
5902093	4181010.02	0.0081	0.0532	0.1912	0.0653	0.0625	0.0959	0.0025	4.5505	5.0505	3.9702	5.3287	4.1287	5.7547	4.0456	4.92564
5902094	4181011.02	0.0082	0.0533	0.1913	0.0654	0.0626	0.0960	0.0026	4.5515	5.0515	3.9703	5.3297	4.1297	5.7557	4.0466	4.92664
5902095	4181012.02	0.0083	0.0534	0.1914	0.0655	0.0627	0.0961	0.0027	4.5525	5.0525	3.9704	5.3307	4.1307	5.7567	4.0476	4.92764
5902096	4181013.02	0.0084	0.0535	0.1915	0.0656	0.0628	0.0962	0.0028	4.5535	5.0535	3.9705	5.3317	4.1317	5.7577	4.0486	4.92864
5902097	4181014.02	0.0085	0.0536	0.1916	0.0657	0.0629	0.0963	0.0029	4.5545	5.0545	3.9706	5.3327	4.1327	5.7587	4.0496	4.92964
5902098	4181015.02	0.0086	0.0537	0.1917	0.0658	0.0630	0.0964	0.0030	4.5555	5.0555	3.9707	5.3337	4.1337	5.7597	4.0506	4.93064
5902099	4181016.02	0.0087	0.0538	0.1918	0.0659	0.0631	0.0965	0.0031	4.5565	5.0565	3.9708	5.3347	4.1347	5.7607	4.0516	4.93164
5902100	4181017.02	0.0088	0.0539	0.1919	0.0660	0.0632	0.0966	0.0032	4.5575	5.0575	3.9709	5.3357	4.1357	5.7617	4.0526	4.93264
5902101	4181018.02	0.0089	0.0540	0.1920	0.0661	0.0633	0.0967	0.0033	4.5585	5.0585	3.9710	5.3367	4.1367	5.7627	4.0536	4.93364
5902102	4181019.02	0.0090	0.0541	0.1921	0.0662	0.0634	0.0968	0.0034	4.5595	5.0595	3.9711	5.3377	4.1377	5.7637	4.0546	4.93464
5902103	4181020.02	0.0091	0.0542	0.1922	0.0663	0.0635	0.0969	0.0035	4.5605	5.0605	3.9712	5.3387	4.1387	5.7647	4.0556	4.93564
5902104	4181021.02	0.0092	0.0543	0.1923	0.0664	0.0636	0.0970	0.0036	4.5615	5.0615	3.9713	5.3397	4.1397	5.7657	4.0566	4.93664
5902105	4181022.02	0.0093	0.0544	0.1924	0.0665	0.0637	0.0971	0.0037	4.5625	5.0625	3.9714	5.3407	4.1407	5.7667	4.0576	4.93764
5902106	4181023.02	0.0094	0.0545	0.1925	0.0666	0.0638	0.0972	0.0038	4.5635	5.0635	3.9715	5.3417	4.1417	5.7677	4.0586	4.93864
5902107	4181024.02	0.0095	0.0546	0.1926	0.0667	0.0639	0.0973	0.0039	4.5645	5.0645	3.9716	5.3427	4.1427	5.7687	4.0596	4.93964
5902108	4181025.02	0.0096	0.0547	0.1927	0.0668	0.0640	0.0974	0.0040	4.5655	5.0655	3.9717	5.3437	4.1437	5.7697	4.0606	4.94064
5902109	4181026.02	0.0097	0.0548	0.1928	0.0669	0.0641	0.0975	0.0041	4.5665	5.0665	3.9718	5.3447	4.1447	5.7707	4.0616	4.94164
5902110	4181027.02	0.0098	0.0549	0.1929	0.0670	0.0642	0.0976	0.0042	4.5675	5.0675	3.9719	5.3457	4.1457	5.7717	4.0626	4.94264
5902111	4181028.02	0.0099	0.0550	0.1930	0.0671	0.0643	0.0977	0.0043	4.5685	5.0685	3.9720	5.3467	4.1467	5.7727	4.0636	4.94364
5902112	4181029.02	0.0100	0.0551	0.1931	0.0672	0.0644	0.0978	0.0044	4.5695	5.0695	3.9721	5.3477	4.1477	5.7737	4.0646	4.94464
5902113	4181030.02	0.0101	0.0552	0.1932	0.0673	0.0645	0.0979	0.0045	4.5705	5.0705	3.9722	5.3487	4.1487	5.7747	4.0656	4.94564
5902114	4181031.02	0.0102	0.0553	0.1933	0.0674	0.0646	0.0980	0.0046	4.5715	5.0715	3.9723	5.3497	4.1497	5.7757	4.0666	4.94664
5902115	4181032.02	0.0103	0.0554	0.1934	0.0675	0.0647	0.0981	0.0047	4.5725	5.0725	3.9724	5.3507	4.1507	5.7767	4.0676	4.94764
5902116	4181033.02	0.0104	0.0555	0.1935	0.0676	0.0648	0.0982	0.0048	4.5735	5.0735	3.9725	5.3517	4.1517	5.7777	4.0686	4.94864
5902117	4181034.02	0.0105	0.0556	0.1936	0.0677	0.0649	0.0983	0.0049	4.5745	5.0745	3.9726	5.3527	4.1527	5.7787	4.0696	4.94964
5902118	4181035.02	0.0106	0.0557	0.1937	0.0678	0.0650	0.0984	0.0050	4.5755	5.0755	3.9727	5.3537	4.1537	5.7797	4.0706	4.95064
5902119	4181036.02	0.0107	0.0558	0.1938	0.0679	0.0651	0.0985	0.0051	4.5765	5.0765	3.9728	5.3547	4.1547	5.7807	4.0716	4.95164
5902120	4181037.02	0.0108	0.0559	0.1939	0.0680	0.0652	0.0986	0.0052	4.5775	5.0775	3.9729	5.3557	4.1557	5.7817	4.0726	4.95264
5902121	4181038.02	0.0109	0.0560	0.1940	0.0681	0.0653	0.0987	0.0053	4.5785	5.0785	3.9730	5.3567	4.1567	5.7827	4.0736	4.95364
5902122	4181039.02	0.0110	0.0561	0.1941	0.0682	0.0654	0.0988	0.0054	4.5795	5.0795	3.9731	5.3577	4.1577	5.7837	4.0746	4.95464
5902123	4181040.02	0.0111	0.0562	0.1942	0.0683	0.0655	0.0989	0.0055	4.5805	5.0805	3.9732	5.3587	4.1587	5.7847	4.0756	4.95564
5902124	4181041.02	0.0112	0.0563	0.1943	0.0684	0.0656	0.0990	0.0056	4.5815	5.0815	3.9733	5.3597	4.1597	5.7857	4.0766	4.95664
5902125	4181042.02	0.0113	0.0564	0.1944	0.0685	0.0657	0.0991	0.0057	4.5825	5.0825	3.9734	5.3607	4.1607	5.7867	4.0776	4.95764
5902126	4181043.02	0.0114	0.0565	0.1945	0.0686	0.0658	0.0992	0.0058	4.5835	5.0835	3.9735	5.3617	4.1617	5.7877	4.0786	4.95864
5902127	4181044.02	0.0115	0.0566	0.1946	0.0687	0.0659	0.0993	0.0059	4.5845	5.0845	3.9736	5.3627	4.1627	5.7887	4.0796	4.95964
5902128	4181045.02	0.0116	0.0567	0.1947	0.0688	0.0660	0.0994	0.0060	4.5855	5.0855	3.9737	5.3637	4.1637	5.7897	4.0806	4.96064
5902129	4181046.02	0.0117	0.0568	0.1948	0.0689	0.0661	0.0995	0.0061	4.5865	5.0865	3.9738	5.3647	4.1647	5.7907	4.0816	4.96164
5902130	4181047.02	0.0118	0.0569	0.1949	0.0690	0.0662	0.0996	0.0062	4.5875	5.0875	3.9739	5.3657	4.1657	5.7917	4.0826	4.96264
5902131	4181048.02	0.0119	0.0570	0.1950	0.0691	0.0663	0.0997	0.0063	4.5885	5.0885	3.9740	5.3667	4.1667	5.7927	4.0836	4.96364
5902132	4181049.02	0.0120	0.0571	0.1951	0.0692	0.0664	0.0998	0.0064	4.5895	5.0895	3.9741	5.3677	4.1677	5.7937	4.0846	4.96464
5902133	4181050.02	0.0121	0.0572	0.1952	0.0693	0.0665	0.0999	0.0065	4.5905	5.0905	3.9742	5.3687	4.1687	5.7947	4.0856	4.96564
5902134	4181051.02	0.0122	0.0573	0.1953	0.0694	0.0666	0.1000	0.0066	4.5915	5.0915	3.9743	5.3697	4.1697	5.7957	4.0866	4.96664
5902135	4181052.02	0.0123	0.0574	0.1954	0.0695	0.0667	0.1001	0.0067	4.5925	5.0925	3.9744	5.3707	4.1707	5.7967	4.0876	4.96764
5902136	4181053.02	0.0124	0.0575	0.1955	0.0696	0.0668	0.1002	0.0068	4.5935	5.0935	3.9745	5.3717	4.1717	5.7977	4.0886	4.96864
5902137	4181054.02	0.0125	0.0576	0.1956	0.0697											

590301.75	4180677.46	0.02906	0.02775	0.12782	0.04963	0.04271	0.05073	0.04286	2.822-05	3.962-05	2.732-04	4.146-07	2.872-07	4.606-07	3.026-07	3.423-04
590308.83	4180651.81	0.02025	0.02087	0.12919	0.03134	0.04907	0.02088	0.04923	3.002-05	3.178-05	2.762-04	4.446-07	3.362-07	4.802-07	3.488-07	3.488-04
590709.41	4180880.9	0.02071	0.02492	0.12883	0.05307	0.05027	0.05277	0.04962	3.062-05	3.562-05	2.752-04	4.432-07	3.382-07	4.792-07	3.492-07	3.428-04
590545.61	4180707.43	0.02904	0.02684	0.12799	0.05003	0.04444	0.05124	0.04445	2.822-05	3.182-05	2.742-04	4.252-07	2.982-07	4.412-07	3.112-07	3.488-04
590474.4	4180663.33	0.019	0.02809	0.12678	0.04632	0.04151	0.04988	0.04161	2.812-05	3.042-05	2.712-04	4.042-07	2.972-07	4.512-07	2.932-07	3.472-04
590557.24	4180810.72	0.02197	0.02507	0.12785	0.05282	0.04891	0.05258	0.04886	2.912-05	3.582-05	2.732-04	4.412-07	3.282-07	4.712-07	3.422-07	3.392-04
590557.19	4180723.37	0.02644	0.02837	0.12837	0.04646	0.05109	0.04949	0.04949	2.822-05	3.172-05	2.702-04	4.272-07	3.022-07	4.512-07	3.182-07	3.374-04
590451.05	4180643.28	0.02898	0.02887	0.12416	0.04707	0.04053	0.04989	0.04056	2.812-05	3.032-05	2.682-04	4.082-07	2.962-07	4.442-07	2.852-07	3.372-04
590576.72	4180648.81	0.02922	0.02476	0.12651	0.05258	0.03921	0.05121	0.04885	2.952-05	3.542-05	2.712-04	4.392-07	3.312-07	4.742-07	3.432-07	3.392-04
590511.27	4180691.32	0.01893	0.02717	0.12491	0.04934	0.04293	0.05047	0.04309	2.802-05	3.482-05	2.672-04	4.152-07	2.892-07	4.582-07	3.032-07	3.317-04
590396.2	4180819.9	0.02122	0.02466	0.12582	0.05131	0.0496	0.05122	0.04908	3.012-05	3.532-05	2.692-04	4.382-07	3.462-07	4.742-07	3.442-07	3.322-04
590481.15	4180675.48	0.02886	0.02756	0.12686	0.04643	0.04163	0.04885	0.04176	2.792-05	3.182-05	2.682-04	4.042-07	2.862-07	4.512-07	2.932-07	3.392-04
590331.26	4180802.47	0.02942	0.02506	0.12444	0.05228	0.04795	0.05209	0.04476	2.872-05	3.582-05	2.662-04	4.372-07	3.232-07	4.732-07	3.162-07	3.312-04
590361.51	4180831.81	0.02961	0.02466	0.12594	0.05202	0.04846	0.05114	0.04817	2.902-05	3.512-05	2.652-04	4.342-07	3.162-07	4.692-07	3.192-07	3.302-04
590382.99	4180866.9	0.02995	0.02444	0.12316	0.05192	0.04887	0.05151	0.04844	2.952-05	3.482-05	2.642-04	4.342-07	3.122-07	4.682-07	3.402-07	3.292-04
590451.78	4180564.44	0.02823	0.02803	0.12384	0.04713	0.04053	0.04959	0.04959	2.782-05	3.402-05	2.642-04	4.192-07	2.742-07	4.442-07	2.952-07	3.251-04
590460.5	4180569.6	0.02866	0.02745	0.11866	0.04713	0.04065	0.04888	0.04066	2.742-05	3.322-05	2.642-04	3.942-07	2.732-07	4.412-07	2.872-07	3.242-04
590492.61	4180689.27	0.02873	0.02727	0.12205	0.04466	0.04497	0.04199	0.04199	2.972-05	3.622-05	2.622-04	4.062-07	2.822-07	4.512-07	2.952-07	3.242-04
590506.3	4180831.82	0.02941	0.02449	0.12175	0.05167	0.0479	0.05164	0.04766	2.872-05	3.502-05	2.622-04	4.322-07	3.222-07	4.662-07	3.342-07	3.252-04
590536.31	4180710.04	0.02872	0.02613	0.12051	0.04987	0.04348	0.05003	0.04338	2.772-05	3.732-05	2.582-04	4.162-07	2.932-07	4.542-07	3.072-07	3.217-04
590569.78	4180808.9	0.02961	0.02418	0.12061	0.04813	0.05135	0.04778	0.04905	2.942-05	3.492-05	2.562-04	4.292-07	3.242-07	4.512-07	3.102-07	3.202-04
590547.82	4180752.9	0.02867	0.0257	0.11903	0.04996	0.04584	0.04997	0.04388	2.762-05	3.672-05	2.552-04	4.172-07	2.912-07	4.512-07	3.082-07	3.202-04
590504.07	4180763.06	0.02929	0.02543	0.11749	0.04869	0.04264	0.04946	0.04222	2.752-05	3.772-05	2.512-04	4.072-07	2.822-07	4.492-07	2.972-07	3.172-04
590505.57	4180822.9	0.02934	0.02403	0.1183	0.05091	0.04748	0.05059	0.04747	2.862-05	3.432-05	2.532-04	4.252-07	3.022-07	4.592-07	3.122-07	3.174-04
590525.89	4180812.27	0.02904	0.02436	0.11809	0.05095	0.04705	0.05073	0.04657	2.822-05	3.482-05	2.522-04	4.262-07	3.022-07	4.602-07	3.172-07	3.170-04
590472.03	4180821.32	0.02848	0.02874	0.1154	0.04731	0.04607	0.04847	0.04608	2.732-05	3.822-05	2.472-04	4.052-07	2.742-07	4.412-07	2.872-07	3.169-04
590483.38	4180845.9	0.02913	0.02395	0.1162	0.05057	0.04693	0.05026	0.04647	2.832-05	3.422-05	2.482-04	4.222-07	3.142-07	4.562-07	3.282-07	3.120-04
590326.98	4180730.03	0.0284	0.02545	0.11214	0.04885	0.04219	0.04905	0.04209	2.722-05	3.832-05	2.452-04	4.032-07	2.872-07	4.412-07	3.042-07	3.082-04
590300.15	4180838.9	0.02892	0.02386	0.11411	0.05039	0.04633	0.04993	0.04614	2.802-05	3.412-05	2.442-04	4.192-07	3.112-07	4.512-07	3.242-07	3.078-04
590338.84	4180744.42	0.02834	0.02502	0.11244	0.04889	0.04289	0.04893	0.04291	2.712-05	3.912-05	2.422-04	4.022-07	2.862-07	4.442-07	3.022-07	3.047-04
590388.52	4180811.07	0.02887	0.02374	0.11248	0.04975	0.04658	0.04952	0.04651	2.772-05	3.862-05	2.412-04	4.112-07	3.072-07	4.472-07	3.022-07	3.028-04
590549.9	4180758.21	0.02834	0.02472	0.11266	0.04904	0.04433	0.04901	0.04311	2.712-05	3.932-05	2.392-04	4.102-07	2.922-07	4.412-07	3.042-07	3.048-04
590529.05	4180751.93	0.02799	0.02435	0.11039	0.04779	0.04312	0.04788	0.04316	2.662-05	3.482-05	2.382-04	4.092-07	2.812-07	4.412-07	2.912-07	2.992-04
590540.45	4180769.05	0.02822	0.02409	0.11087	0.048	0.0424	0.04805	0.04238	2.672-05	3.442-05	2.362-04	4.012-07	2.812-07	4.362-07	2.922-07	2.887-04

CONFINET aff
 DEFUNIT aff

592467.29	41800138	2.37587	1.84724	0.14373	0.05958	0.80838	0.69975	0.81086	4.15603	2.97503	1.46603	1.38604	1.31804	1.67604	0.94143
592468.12	41799424	2.82008	2.63844	0.39088	0.17324	0.78024	0.82064	0.81086	4.15603	2.97503	1.46603	1.38604	1.31804	1.67604	0.94143
592469.01	41800238	1.81245	2.04735	0.55193	0.17319	0.85151	0.71788	0.87394	2.98103	1.98803	1.09803	1.35704	1.36504	1.80604	1.05204
592470.29	41800165	2.30085	2.02247	0.28027	0.17319	0.85151	0.71788	0.87394	2.98103	1.98803	1.09803	1.35704	1.36504	1.80604	1.05204
592471.03	41799745	1.84732	1.84732	0.40434	0.50925	1.39434	1.06828	1.08066	5.98603	1.19503	1.19503	4.50804	4.19104	5.06404	4.48504
592472.03	41799308	1.32682	1.33725	0.58375	0.02476	0.85752	0.78024	0.86206	5.04803	2.15203	1.27503	1.62104	1.62104	4.02204	3.91604
592473.28	41800015	2.39995	2.62247	0.28027	0.17319	0.85151	0.71788	0.87394	2.98103	1.98803	1.09803	1.35704	1.36504	1.80604	1.05204
592474.33	41800043	1.17959	2.31988	0.71955	0.02476	0.85752	0.78024	0.86206	5.04803	2.15203	1.27503	1.62104	1.62104	4.02204	3.91604
592475.28	41799935	1.02043	1.02043	0.35055	0.02476	0.85752	0.78024	0.86206	5.04803	2.15203	1.27503	1.62104	1.62104	4.02204	3.91604
592476.86	41800124	2.04844	2.04844	0.48028	0.78024	0.86206	0.86206	0.86206	3.74603	1.74603	1.34603	1.34603	1.34603	1.67603	1.29603
592477.83	41800037	2.30715	1.87474	0.24028	0.06044	0.80442	0.80442	0.80442	3.02203	1.47403	1.37403	1.37403	1.37403	1.67603	1.29603
592478.83	41800037	2.30715	1.87474	0.24028	0.06044	0.80442	0.80442	0.80442	3.02203	1.47403	1.37403	1.37403	1.37403	1.67603	1.29603
592479.83	41799267	2.83996	1.50951	0.08495	0.08495	0.08495	0.08495	0.08495	4.58803	1.48803	1.48803	1.48803	1.48803	1.80603	1.38603
592480.84	41800048	2.87839	2.87839	0.08495	0.08495	0.08495	0.08495	0.08495	4.58803	1.48803	1.48803	1.48803	1.48803	1.80603	1.38603
592481.89	41799317	1.20256	1.20256	0.55154	0.77712	0.77712	0.77712	0.77712	5.17003	1.98003	1.24603	1.34203	1.34203	4.12103	3.68103
592482.83	41800032	1.54205	1.54205	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623	1.21623
592483.76	41799196	1.21046	0.55123	0.79025	0.88243	0.79025	0.88243	0.79025	0.88243	0.79025	0.88243	0.79025	0.88243	0.79025	0.88243
592484.22	41800125	0.38821	2.42544	2.11809	2.09584	2.47674	1.97863	2.50607	6.57603	1.62603	1.62603	1.62603	1.62603	1.05203	1.05203
592485.12	41800082	1.33662	1.33662	1.89797	0.82873	0.82873	0.78624	0.78624	1.91803	1.41803	1.41803	1.41803	1.41803	1.74603	1.48603
592486.11	41800141	0.39901	2.36244	2.03119	1.88841	2.25862	1.81728	2.29383	6.64803	1.38803	0.98803	0.98803	0.98803	0.62603	0.62603
592487.11	41800045	2.16029	2.55961	1.26088	1.46384	1.98027	1.38064	1.11138	2.95803	1.35803	1.35803	1.35803	1.35803	1.80603	1.48603
592488.11	41800042	2.45442	1.893	0.45522	0.68424	0.79653	0.47444	0.79744	3.91803	1.04803	1.04803	1.04803	1.04803	1.38603	0.96603
592489.17	41800463	0.87623	1.03795	0.58547	0.88444	0.88444	0.88444	0.88444	1.04718	1.48653	0.28653	0.28653	0.28653	0.42603	1.09803
592490.17	41800322	0.45071	2.81927	1.85907	1.45065	1.85907	1.85907	1.85907	1.85907	1.85907	1.85907	1.85907	1.85907	1.85907	1.85907
592491.18	41799784	1.84011	0.90041	0.14719	0.84246	0.84246	0.84246	0.84246	0.84246	1.50803	1.59803	1.19803	1.19803	4.37203	4.50603
592492.66	41799007	1.12103	0.1677	0.77396	0.80025	0.80025	0.80025	0.80025	5.38803	1.28803	1.28803	1.28803	1.28803	1.67603	1.29603
592493.72	41799117	1.84726	1.84726	0.17766	0.81807	0.81807	0.81807	0.81807	4.40603	1.73203	1.42603	1.42603	1.42603	1.80603	1.38603
592494.57	41800273	1.05188	2.13134	0.76024	0.81819	0.81819	0.81819	0.81819	1.70803	1.48803	2.68803	4.07803	4.07803	1.84603	1.84603
592495.51	41800444	1.61044	1.61044	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121	1.62121
592496.57	41800319	1.99883	2.21511	0.98835	0.68155	0.79912	0.80242	0.80242	3.20203	1.32803	1.73803	1.34803	1.34803	1.53803	1.39803
592497.58	41800463	1.46643	0.26412	0.39991	0.82625	0.82625	0.82625	0.82625	4.23803	1.24803	1.24803	1.24803	1.24803	1.60603	1.40603
592498.57	41800046	1.12112	2.78244	0.88787	0.75454	0.92625	0.78273	0.92277	1.96803	4.48803	2.40803	1.86403	1.86403	4.04403	4.04403
592499.51	41800039	1.84011	1.84011	0.08495	0.08495	0.08495	0.08495	0.08495	4.58803	1.48803	1.48803	1.48803	1.48803	1.80603	1.38603
592500.56	41799934	1.26317	1.052	0.14978	0.78024	0.80065	0.57303	0.57303	1.86803	1.20503	1.20503	1.20503	1.20503	4.28803	4.28803
592501.62	41800476	2.08832	2.11306	0.47325	0.74739	0.78413	0.6574	0.78881	3.88803	1.36803	1.36803	1.36803	1.36803	1.70603	1.70603
592502.61	41799844	1.85745	1.85745	0.29588	0.84824	0.84824	0.84824	0.84824	1.94203	1.32803	1.32803	1.32803	1.32803	1.60603	1.40603
592503.33	41800838	1.13172	2.70257	0.62524	0.74057	0.74057	0.74057	0.74057	0.74057	2.32803	1.28803	1.28803	1.28803	3.03803	3.03803
592504.26	41799907	1.34823	1.34823	0.35254	0.78245	0.78245	0.78245	0.78245	4.38803	1.30803	1.30803	1.30803	1.30803	1.60603	1.40603
592505.35	41800450	1.46405	2.70253	1.48801	1.31879	1.58749	1.83818	1.83818	1.93136	4.58803	1.58803	1.58803	1.58803	6.81603	6.81603
592506.44	41800343	2.00021	2.00021	0.30165	0.76024	0.76024	0.76024	0.76024	1.92627	1.35803	1.35803	1.35803	1.35803	1.67603	1.47603
592507.48	41800466	1.61044	1.98473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473	1.08473
592508.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592509.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592510.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592511.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592512.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592513.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592514.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592515.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592516.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592517.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592518.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592519.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592520.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592521.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592522.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592523.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592524.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592525.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592526.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592527.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803	3.31603	3.31603
592528.21	41799943	2.54662	1.6938	0.08804	0.08804	0.08804	0.08804	0.08804	4.12103	2.73803	1.39803	1.39803	1.39803		

99382285	41707937.1	2.84163	0.71897	0.15125	0.03969	0.04974	0.05238	0.05989	4.938(3)	1.165(3)	1.105(3)	4.058(4)	3.712(4)	4.515(4)	3.964(4)	4.463(3)
99384685	41707868.66	3.33883	0.71897	0.15125	0.03969	0.04974	0.05238	0.05989	4.938(3)	1.165(3)	1.105(3)	4.058(4)	3.712(4)	4.515(4)	3.964(4)	4.463(3)
99384934	41804831.1	4.14133	2.02821	1.42521	1.19483	1.34783	1.09506	1.34681	6.831(4)	3.175(3)	4.965(3)	5.558(4)	5.205(4)	5.806(4)	5.535(4)	5.111(2)
99385150	41803354.4	3.26241	2.02821	1.42521	1.19483	1.34783	1.09506	1.34681	6.831(4)	3.175(3)	4.965(3)	5.558(4)	5.205(4)	5.806(4)	5.535(4)	5.111(2)
99385266	41804909.9	0.53132	2.02821	1.42521	1.19483	1.34783	1.09506	1.34681	6.831(4)	3.175(3)	4.965(3)	5.558(4)	5.205(4)	5.806(4)	5.535(4)	5.111(2)
99385365	41797445.1	2.75537	0.70092	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99385488	41804623.1	1.42623	0.70092	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99385499	41804551.7	0.32672	1.44749	2.04056	1.52846	1.97639	1.46939	1.87879	5.072(4)	2.317(3)	4.026(3)	4.715(4)	4.315(4)	4.771(4)	4.300(4)	4.300(4)
99385514	41803114.4	1.20444	0.70092	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99385627	41797854.4	1.54789	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99385740	41804927.2	0.83432	2.03049	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99385749	4180347.02	1.97467	0.08122	0.08122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99385968	41804074.4	0.48025	1.52683	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99386045	41804999.8	0.58737	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99386126	4180487.36	1.74206	2.28881	1.52683	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)
99386151	41803761.0	1.23217	0.03145	0.03145	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)
99386973	41797826.4	1.28744	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99387045	41804800.5	0.42688	2.03049	1.1479	1.00003	1.27574	1.05989	1.27325	4.676(4)	3.275(3)	4.705(3)	5.271(4)	5.012(4)	5.005(4)	5.284(4)	4.800(3)
99387448	41797912.0	1.82789	0.89003	0.71897	0.15125	0.03969	0.04974	0.05238	0.71897	0.15125	0.03969	0.04974	0.05238	0.71897	0.15125	0.03969
99387454	4180495.52	0.66285	2.28279	0.85452	0.79659	0.93211	0.79654	0.92812	1.077(3)	1.637(3)	2.286(3)	3.666(4)	4.075(4)	3.851(4)	4.255(4)	4.255(4)
99387484	4180496.4	1.00473	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99388178	4180482.46	0.33499	1.54183	1.19483	1.48232	1.70527	1.33772	1.71508	5.401(4)	2.465(3)	4.686(3)	6.906(4)	7.275(4)	7.075(4)	7.075(4)	7.075(4)
99389185	4180482.46	1.00473	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99389261	41797123.3	2.87147	0.181	0.11499	0.07413	0.05105	0.07413	0.08609	4.316(3)	1.206(3)	1.075(3)	3.747(4)	4.211(4)	3.675(4)	4.300(4)	4.300(4)
99390472	41797123.3	2.15407	0.03145	0.03145	0.03145	0.03145	0.03145	0.03145	0.74143	0.88193	0.79077	0.89325	4.052(3)	1.206(3)	1.075(3)	3.747(4)
99390384	41804803.1	1.1514	2.04227	0.94969	0.63029	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269	0.78269
99391457	41804891.1	0.34484	1.61154	1.79888	1.34977	1.62046	1.2941	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046
99391537	41804891.1	0.34484	1.61154	1.79888	1.34977	1.62046	1.2941	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046	1.62046
99391607	41804968.8	0.42988	1.27874	1.20949	1.0584	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949
99391622	41804968.8	0.33245	1.15749	1.09228	1.27401	1.53037	1.2161	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037
99391647	41804968.8	0.42988	1.27874	1.20949	1.0584	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949	0.98466	1.20949
99391816	41804968.8	0.33245	1.15749	1.09228	1.27401	1.53037	1.2161	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037	1.53037
99392005	41797397.09	1.83527	0.06413	0.19122	0.08122	0.70281	0.78419	0.4111(3)	1.578(3)	1.111(3)	0.310(3)	3.026(4)	3.714(4)	3.171(4)	3.228(4)	3.807(3)
99392359	41797314.7	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392459	41797314.7	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392512	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392519	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392520	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392521	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392522	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392523	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392524	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392525	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392526	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392527	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392528	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392529	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392530	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392531	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392532	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392533	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392534	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392535	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392536	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392537	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392538	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392539	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)	4.316(4)	4.316(4)
99392540	41797161.47	1.27942	0.70424	0.09004	0.08054	0.93119	0.82126	0.92384	4.032(3)	1.118(3)	1.086(3)	3.584(4)	4.316(4)	4.316(4)</		

992092.07	4180533.8	0.50994	1.62534	0.81239	0.67394	0.79462	0.65228	0.77945	8.17104	2.66423	2.83803	3.29624	3.08804	3.45604	3.20644	3.76603	3.76603	3.76603
991893.31	4180533.86	0.50994	1.62534	0.81239	0.67394	0.79462	0.65228	0.77945	8.17104	2.66423	2.83803	3.29624	3.08804	3.45604	3.20644	3.76603	3.76603	3.76603
991795.5	4180535.00	0.50989	1.62530	0.81234	0.67389	0.79457	0.65223	0.77940	8.17099	2.66418	2.83798	3.29619	3.08799	3.45599	3.20639	3.76598	3.76598	3.76598
992035.57	4180536.14	0.50984	1.62526	0.81229	0.67384	0.79452	0.65218	0.77935	8.17094	2.66413	2.83793	3.29614	3.08794	3.45594	3.20634	3.76593	3.76593	3.76593
992002.36	4180535.26	0.50979	1.62521	0.81224	0.67379	0.79447	0.65213	0.77930	8.17089	2.66408	2.83788	3.29609	3.08789	3.45589	3.20629	3.76588	3.76588	3.76588
992061.59	4180544.61	0.50974	1.62516	0.81219	0.67374	0.79442	0.65208	0.77925	8.17084	2.66403	2.83783	3.29604	3.08784	3.45584	3.20624	3.76583	3.76583	3.76583
992066.34	4180546.07	0.50969	1.62511	0.81214	0.67369	0.79437	0.65203	0.77920	8.17079	2.66398	2.83778	3.29599	3.08779	3.45579	3.20619	3.76578	3.76578	3.76578
992141.05	4180548.88	0.50964	1.62506	0.81209	0.67364	0.79432	0.65198	0.77915	8.17074	2.66393	2.83773	3.29594	3.08774	3.45574	3.20614	3.76573	3.76573	3.76573
992007.13	4180554.30	0.50959	1.62501	0.81204	0.67359	0.79427	0.65193	0.77910	8.17069	2.66388	2.83768	3.29589	3.08769	3.45569	3.20609	3.76568	3.76568	3.76568
992045.09	4180560.14	0.50954	1.62496	0.81199	0.67354	0.79422	0.65188	0.77905	8.17064	2.66383	2.83763	3.29584	3.08764	3.45564	3.20604	3.76563	3.76563	3.76563
992083.05	4180565.98	0.50949	1.62491	0.81194	0.67349	0.79417	0.65183	0.77900	8.17059	2.66378	2.83758	3.29579	3.08759	3.45559	3.20599	3.76558	3.76558	3.76558
992121.01	4180571.82	0.50944	1.62486	0.81189	0.67344	0.79412	0.65178	0.77895	8.17054	2.66373	2.83753	3.29574	3.08754	3.45554	3.20594	3.76553	3.76553	3.76553
992159.07	4180580.67	0.50939	1.62481	0.81184	0.67339	0.79407	0.65173	0.77890	8.17049	2.66368	2.83748	3.29569	3.08749	3.45549	3.20589	3.76548	3.76548	3.76548
992197.13	4180589.52	0.50934	1.62476	0.81179	0.67334	0.79402	0.65168	0.77885	8.17044	2.66363	2.83743	3.29564	3.08744	3.45544	3.20584	3.76543	3.76543	3.76543
992235.19	4180598.37	0.50929	1.62471	0.81174	0.67329	0.79397	0.65163	0.77880	8.17039	2.66358	2.83738	3.29559	3.08739	3.45539	3.20579	3.76538	3.76538	3.76538
992273.25	4180607.22	0.50924	1.62466	0.81169	0.67324	0.79392	0.65158	0.77875	8.17034	2.66353	2.83733	3.29554	3.08734	3.45534	3.20574	3.76533	3.76533	3.76533
992311.31	4180616.07	0.50919	1.62461	0.81164	0.67319	0.79387	0.65153	0.77870	8.17029	2.66348	2.83728	3.29549	3.08729	3.45529	3.20569	3.76528	3.76528	3.76528
992349.37	4180624.92	0.50914	1.62456	0.81159	0.67314	0.79382	0.65148	0.77865	8.17024	2.66343	2.83723	3.29544	3.08724	3.45524	3.20564	3.76523	3.76523	3.76523
992387.43	4180633.77	0.50909	1.62451	0.81154	0.67309	0.79377	0.65143	0.77860	8.17019	2.66338	2.83718	3.29539	3.08719	3.45519	3.20559	3.76518	3.76518	3.76518
992425.49	4180642.62	0.50904	1.62446	0.81149	0.67304	0.79372	0.65138	0.77855	8.17014	2.66333	2.83713	3.29534	3.08714	3.45514	3.20554	3.76513	3.76513	3.76513
992463.55	4180651.47	0.50899	1.62441	0.81144	0.67299	0.79367	0.65133	0.77850	8.17009	2.66328	2.83708	3.29529	3.08709	3.45509	3.20549	3.76508	3.76508	3.76508
992501.61	4180660.32	0.50894	1.62436	0.81139	0.67294	0.79362	0.65128	0.77845	8.17004	2.66323	2.83703	3.29524	3.08704	3.45504	3.20544	3.76503	3.76503	3.76503
992539.67	4180669.17	0.50889	1.62431	0.81134	0.67289	0.79357	0.65123	0.77840	8.17000	2.66318	2.83698	3.29519	3.08699	3.45499	3.20539	3.76498	3.76498	3.76498
992577.73	4180678.02	0.50884	1.62426	0.81129	0.67284	0.79352	0.65118	0.77835	8.16995	2.66313	2.83693	3.29514	3.08694	3.45494	3.20534	3.76493	3.76493	3.76493
992615.79	4180686.87	0.50879	1.62421	0.81124	0.67279	0.79347	0.65113	0.77830	8.16990	2.66308	2.83688	3.29509	3.08689	3.45489	3.20529	3.76488	3.76488	3.76488
992653.85	4180695.72	0.50874	1.62416	0.81119	0.67274	0.79342	0.65108	0.77825	8.16985	2.66303	2.83683	3.29504	3.08684	3.45484	3.20524	3.76483	3.76483	3.76483
992691.91	4180704.57	0.50869	1.62411	0.81114	0.67269	0.79337	0.65103	0.77820	8.16980	2.66298	2.83678	3.29499	3.08679	3.45479	3.20519	3.76478	3.76478	3.76478
992729.97	4180713.42	0.50864	1.62406	0.81109	0.67264	0.79332	0.65098	0.77815	8.16975	2.66293	2.83673	3.29494	3.08674	3.45474	3.20514	3.76473	3.76473	3.76473
992768.03	4180722.27	0.50859	1.62401	0.81104	0.67259	0.79327	0.65093	0.77810	8.16970	2.66288	2.83668	3.29489	3.08669	3.45469	3.20509	3.76468	3.76468	3.76468
992806.09	4180731.12	0.50854	1.62396	0.81099	0.67254	0.79322	0.65088	0.77805	8.16965	2.66283	2.83663	3.29484	3.08664	3.45464	3.20504	3.76463	3.76463	3.76463
992844.15	4180740.00	0.50849	1.62391	0.81094	0.67249	0.79317	0.65083	0.77800	8.16960	2.66278	2.83658	3.29479	3.08659	3.45459	3.20499	3.76458	3.76458	3.76458
992882.21	4180748.85	0.50844	1.62386	0.81089	0.67244	0.79312	0.65078	0.77795	8.16955	2.66273	2.83653	3.29474	3.08654	3.45454	3.20494	3.76453	3.76453	3.76453
992920.27	4180757.70	0.50839	1.62381	0.81084	0.67239	0.79307	0.65073	0.77790	8.16950	2.66268	2.83648	3.29469	3.08649	3.45449	3.20489	3.76448	3.76448	3.76448
992958.33	4180766.55	0.50834	1.62376	0.81079	0.67234	0.79302	0.65068	0.77785	8.16945	2.66263	2.83643	3.29464	3.08644	3.45444	3.20484	3.76443	3.76443	3.76443
993000.39	4180775.40	0.50829	1.62371	0.81074	0.67229	0.79297	0.65063	0.77780	8.16940	2.66258	2.83638	3.29459	3.08639	3.45439	3.20479	3.76438	3.76438	3.76438
993042.45	4180784.25	0.50824	1.62366	0.81069	0.67224	0.79292	0.65058	0.77775	8.16935	2.66253	2.83633	3.29454	3.08634	3.45434	3.20474	3.76433	3.76433	3.76433
993084.51	4180793.10	0.50819	1.62361	0.81064	0.67219	0.79287	0.65053	0.77770	8.16930	2.66248	2.83628	3.29449	3.08629	3.45429	3.20469	3.76428	3.76428	3.76428
993126.57	4180801.95	0.50814	1.62356	0.81059	0.67214	0.79282	0.65048	0.77765	8.16925	2.66243	2.83623	3.29444	3.08624	3.45424	3.20464	3.76423	3.76423	3.76423
993168.63	4180810.80	0.50809	1.62351	0.81054	0.67209	0.79277	0.65043	0.77760	8.16920	2.66238	2.83618	3.29439	3.08619	3.45419	3.20459	3.76418	3.76418	3.76418
993210.69	4180819.65	0.50804	1.62346	0.81049	0.67204	0.79272	0.65038	0.77755	8.16915	2.66233	2.83613	3.29434	3.08614	3.45414	3.20454	3.76413	3.76413	3.76413
993252.75	4180828.50	0.50799	1.62341	0.81044	0.67199	0.79267	0.65033	0.77750	8.16910	2.66228	2.83608	3.29429	3.08609	3.45409	3.20449	3.76408	3.76408	3.76408
993294.81	4180837.35	0.50794	1.62336	0.81039	0.67194	0.79262	0.65028	0.77745	8.16905	2.66223	2.83603	3.29424	3.08604	3.45404	3.20444	3.76403	3.76403	3.76403
993336.87	4180846.20	0.50789	1.62331	0.81034	0.67189	0.79257	0.65023	0.77740	8.16900	2.66218	2.83598	3.29419	3.08599	3.45399	3.20439	3.76398	3.76398	3.76398
993378.93	4180855.05	0.50784	1.62326	0.81029	0.67184	0.79252	0.65018	0.77735	8.16895	2.66213	2.83593	3.29414	3.08594	3.45394	3.20434	3.76393	3.76393	3.76393
993420.99	4180863.90	0.50779	1.62321	0.81024	0.67179	0.79247	0.65013	0.77730	8.16890	2.66208	2.83588	3.29409	3.08589	3.45389	3.20429	3.76388	3.76388	3.76388
993463.05	4180872.75	0.50774	1.62316	0.81019	0.67174	0.79242	0.65008	0.77725	8.16885	2.66203	2.83583	3.29404	3.08584	3.45384	3.20424	3.76383	3.76383	3.76383
993505.11	4180881.60	0.50769	1.62311	0.81014	0.67169	0.79237	0.65003	0.77720	8.16880	2.66198	2.83578	3.29399	3.08579	3.45379	3.20419	3.76378	3.76378	3.76378
993547.17	4180890.45	0.50764	1.62306	0.81009	0.67164	0.79232	0.64998	0.77715	8.16875	2.66193	2.83573	3.29394	3.08574	3.45374	3.20414	3.76373	3.76373	3.76373
993589.23	4180899.30	0.50759	1.62301	0.81004	0.67159	0.79227	0.64993	0.77710	8.16870	2.66188	2.83568	3.29389	3.08569	3.45369	3.20409	3.76368	3.76368	3.76368
993631.29	4180908.15	0.50754	1.62296	0.81000	0.67154	0.79222	0.64988	0.77705	8.16865	2.66183	2.83563	3.29384	3.08564	3.45364	3.20404	3.76363	3.76363	3.76363
993673.35	4180917.00	0.50749	1.62291	0.80995	0.67149	0.79217	0.64983	0.77700	8.16860	2.66178	2.83558	3.29379	3.08559	3.45359	3.20399	3.76358	3.76358	3.76358
993715.41	4180925.85	0.50744	1.62286	0.80990	0.67144	0.79212	0.64978	0.77695	8.16855	2.66173	2.83553	3.29374	3.08554	3.45354	3.20394	3.76353		

990501.75	4180677.46	0.02906	0.02775	0.12782	0.04963	0.04271	0.05073	0.04286	3.08E-05	4.46E-05	4.46E-04	2.42E-05	1.68E-05	2.69E-05	1.78E-05	6.007E-04
990508.83	4180683.81	0.02025	0.02497	0.12528	0.05316	0.04907	0.05288	0.04952	3.07E-05	4.42E-05	4.55E-04	2.59E-05	1.90E-05	2.80E-05	1.82E-05	6.174E-04
990709.41	4180880.9	0.02071	0.02492	0.12853	0.05307	0.05027	0.05277	0.04966	3.34E-05	4.01E-05	4.48E-04	2.58E-05	1.98E-05	2.79E-05	2.04E-05	6.158E-04
990941.61	4180707.83	0.02084	0.02084	0.12799	0.05093	0.04444	0.05054	0.04645	3.07E-05	4.32E-05	4.46E-04	2.48E-05	1.75E-05	2.70E-05	1.80E-05	6.079E-04
990473.4	4180662.33	0.019	0.02809	0.12678	0.04832	0.04151	0.04988	0.04461	3.07E-05	4.32E-05	4.41E-04	2.48E-05	1.93E-05	2.65E-05	1.75E-05	6.015E-04
990567.24	4180819.72	0.02097	0.02097	0.12785	0.05282	0.04891	0.05258	0.04866	3.18E-05	4.03E-05	4.48E-04	2.58E-05	1.92E-05	2.78E-05	2.02E-05	6.109E-04
990537.39	4180721.37	0.02063	0.02644	0.12627	0.05112	0.04486	0.05029	0.04691	3.07E-05	4.25E-05	4.41E-04	2.49E-05	1.78E-05	2.71E-05	1.82E-05	6.021E-04
990451.06	4180643.28	0.02888	0.02887	0.12416	0.04707	0.04033	0.04899	0.04056	3.06E-05	4.60E-05	4.33E-04	2.50E-05	1.93E-05	2.59E-05	1.67E-05	5.911E-04
990676.22	4180846.81	0.02092	0.02476	0.12625	0.05254	0.04021	0.05023	0.04685	3.02E-05	3.98E-05	4.41E-04	2.56E-05	1.93E-05	2.77E-05	2.05E-05	6.059E-04
990513.27	4180691.32	0.02893	0.02717	0.12495	0.04974	0.04293	0.05047	0.04309	3.06E-05	4.37E-05	4.36E-04	2.43E-05	1.69E-05	2.67E-05	1.77E-05	5.955E-04
990696.2	4180671.9	0.02022	0.02446	0.12362	0.05125	0.0496	0.05022	0.04888	3.18E-05	3.97E-05	4.39E-04	2.56E-05	1.93E-05	2.74E-05	2.02E-05	6.042E-04
990481.55	4180675.48	0.02886	0.02756	0.12266	0.04843	0.04163	0.04985	0.04176	3.04E-05	4.45E-05	4.26E-04	2.54E-05	1.64E-05	2.64E-05	1.72E-05	5.872E-04
990633.26	4180805.47	0.02942	0.02956	0.12444	0.05228	0.04795	0.05209	0.04776	3.13E-05	4.03E-05	4.34E-04	2.56E-05	1.88E-05	2.74E-05	1.96E-05	5.971E-04
990611.51	4180819.81	0.02961	0.02456	0.12384	0.05202	0.04846	0.04817	0.04817	3.16E-05	3.95E-05	4.32E-04	2.54E-05	1.90E-05	2.74E-05	1.98E-05	5.950E-04
990482.99	4180866.9	0.02995	0.0244	0.12316	0.04887	0.0515	0.04844	0.04844	3.22E-05	3.92E-05	4.30E-04	2.53E-05	1.92E-05	2.73E-05	1.99E-05	5.928E-04
990451.9	4180656.44	0.02882	0.02882	0.12184	0.04713	0.04053	0.04895	0.04059	3.04E-05	4.51E-05	4.18E-04	2.38E-05	1.95E-05	2.69E-05	1.67E-05	5.748E-04
990465.5	4180669.6	0.02745	0.02745	0.11986	0.04713	0.04045	0.0466	0.0466	3.01E-05	4.41E-05	4.18E-04	2.43E-05	1.96E-05	2.68E-05	1.67E-05	5.737E-04
990402.61	4180809.27	0.02873	0.027	0.12005	0.04486	0.04384	0.0487	0.04299	3.02E-05	4.34E-05	4.19E-04	2.47E-05	1.97E-05	2.63E-05	1.73E-05	5.762E-04
990501.1	4180812.41	0.02961	0.02449	0.12175	0.05167	0.0479	0.0514	0.04766	3.13E-05	3.84E-05	4.25E-04	2.52E-05	1.88E-05	2.72E-05	1.90E-05	5.862E-04
990336.51	4180719.04	0.02872	0.02613	0.12051	0.04987	0.04348	0.05033	0.04338	3.02E-05	4.20E-05	4.20E-04	2.43E-05	1.71E-05	2.65E-05	1.78E-05	5.784E-04
990569.98	4180805.9	0.02961	0.02418	0.12061	0.05195	0.04613	0.04778	0.04778	3.16E-05	3.99E-05	4.29E-04	2.59E-05	1.89E-05	2.79E-05	1.95E-05	5.818E-04
990547.82	4180732.9	0.02887	0.0257	0.11903	0.04996	0.04384	0.04987	0.04388	3.01E-05	4.13E-05	4.15E-04	2.46E-05	1.77E-05	2.65E-05	1.80E-05	5.727E-04
990504.67	4180703.66	0.02859	0.02643	0.11749	0.04809	0.04204	0.04945	0.042	3.09E-05	4.25E-05	4.10E-04	2.37E-05	1.95E-05	2.62E-05	1.73E-05	5.663E-04
990656.57	4180825.9	0.02934	0.02403	0.1181	0.05091	0.04748	0.05059	0.0472	3.12E-05	3.86E-05	4.13E-04	2.48E-05	1.87E-05	2.68E-05	1.64E-05	5.722E-04
990325.89	4180818.27	0.02904	0.02436	0.11809	0.05095	0.04675	0.04857	0.04657	3.07E-05	3.92E-05	4.12E-04	2.46E-05	1.84E-05	2.69E-05	1.62E-05	5.708E-04
990472.83	4180807.32	0.02848	0.02674	0.1154	0.04971	0.04907	0.0487	0.0488	2.98E-05	4.30E-05	4.03E-04	2.31E-05	1.90E-05	2.58E-05	1.68E-05	5.699E-04
990463.36	4180845.9	0.02913	0.02395	0.1162	0.05057	0.04693	0.05026	0.0467	3.09E-05	3.85E-05	4.05E-04	2.47E-05	1.84E-05	2.66E-05	1.92E-05	5.836E-04
990326.88	4180739.63	0.0284	0.02645	0.11374	0.04885	0.04059	0.04905	0.04289	2.97E-05	4.09E-05	3.97E-04	2.38E-05	1.67E-05	2.60E-05	1.73E-05	5.514E-04
990630.15	4180838.9	0.02892	0.02386	0.11412	0.05019	0.04613	0.04991	0.04614	3.05E-05	3.84E-05	3.98E-04	2.45E-05	1.82E-05	2.64E-05	1.90E-05	5.550E-04
990338.44	4180744.42	0.02834	0.02622	0.11344	0.04889	0.04059	0.04893	0.04093	2.96E-05	4.02E-05	3.92E-04	2.38E-05	1.69E-05	2.59E-05	1.78E-05	5.493E-04
990516.22	4180811.02	0.0287	0.02174	0.11248	0.04975	0.04668	0.04952	0.0465	3.02E-05	3.82E-05	4.01E-04	2.45E-05	1.80E-05	2.62E-05	1.87E-05	5.493E-04
990549.9	4180738.21	0.02834	0.02472	0.11166	0.04904	0.04333	0.04903	0.04333	2.96E-05	3.98E-05	3.89E-04	2.39E-05	1.70E-05	2.60E-05	1.78E-05	5.435E-04
990529.85	4180755.83	0.02799	0.02435	0.11039	0.04779	0.04392	0.04788	0.04396	2.90E-05	3.92E-05	3.71E-04	2.31E-05	1.63E-05	2.54E-05	1.72E-05	5.317E-04
990540.45	4180769.65	0.02802	0.02409	0.10987	0.048	0.0424	0.04801	0.04218	2.91E-05	3.87E-05	3.69E-04	2.34E-05	1.67E-05	2.54E-05	1.74E-05	5.200E-04

CONJUNT g/m³
 #9
 2

OEHHA Cancer/BAAQMD Risk Methodology

$$\text{Cancer Risk} = \text{DPM} \times \text{CPF} \times \text{ASF} \times \text{DBR} \times \text{ED} \times \text{EF} \times \text{TAH} \times \text{AF} / \text{AT}$$

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m³)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 1—Existing Off-site Receptors Exposed to all Phases of Construction
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 592081.6 4180048.45

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.088790646	10	361	1	0.25	1.207
0-1	0.088790646	10	1,090	1	1.00	14.584
1-<2	0.088790646	10	1,090	1	1.00	14.584
2-<3	0.088790646	3	631	1	1.00	2.533
3-<4	0.088790646	3	631	1	1.00	2.533
4-<5	0.088790646	3	631	1	1.00	2.533
5-<6	0.088790646	3	631	1	1.00	2.533
6-<7	0.088790646	3	631	1	1.00	2.533
7-<8	0.088790646	3	631	1	1.00	2.533
8-<9	0.088790646	3	631	1	1.00	2.533
9-<10	0.088790646	3	572	1	1.00	2.296
10-<11	0.088790646	3	572	1	1.00	2.296
11-<12	0.088790646	3	572	1	1.00	2.296
12-<13	0.088790646	3	572	1	1.00	2.296
13-<14	0.088790646	3	572	1	1.00	2.296
14-<15	0.088790646	3	572	1	1.00	2.296
15-<16	0.088790646	3	572	1	1.00	2.296
16-<17	0.088790646	1	261	0.73	1.00	0.255
17-<18	0.088790646	1	261	0.73	1.00	0.255
18-<19	0.088790646	1	261	0.73	1.00	0.255
19-<20	0.088790646	1	261	0.73	1.00	0.255
20-<21	0.088790646	1	261	0.73	1.00	0.255
21-<22	0.088790646	1	261	0.73	1.00	0.255
22-<23	0.088790646	1	261	0.73	1.00	0.255
23-<24	0.088790646	1	261	0.73	1.00	0.255
24-<25	0.088790646	1	261	0.73	1.00	0.255
25-<26	0.088790646	1	261	0.73	1.00	0.255
26-<27	0.088790646	1	261	0.73	0.77	0.195
Total						66.92

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.013176768	10	361	1	0.25	0.179
0-1	0.013176768	10	1,090	1	1.00	2.164
1-<2	0.013176768	10	1,090	1	1.00	2.164
2-<3	0.013176768	3	631	1	1.00	0.376
3-<4	0.013176768	3	631	1	1.00	0.376
4-<5	0.013176768	3	631	1	1.00	0.376
5-<6	0.013176768	3	631	1	1.00	0.376
6-<7	0.013176768	3	631	1	1.00	0.376
7-<8	0.013176768	3	631	1	1.00	0.376
8-<9	0.013176768	3	631	1	1.00	0.376
9-<10	0.013176768	3	572	1	1.00	0.341
10-<11	0.013176768	3	572	1	1.00	0.341
11-<12	0.013176768	3	572	1	1.00	0.341
12-<13	0.013176768	3	572	1	1.00	0.341
13-<14	0.013176768	3	572	1	1.00	0.341
14-<15	0.013176768	3	572	1	1.00	0.341
15-<16	0.013176768	3	572	1	1.00	0.341
16-<17	0.013176768	1	261	0.73	1.00	0.038
17-<18	0.013176768	1	261	0.73	1.00	0.038
18-<19	0.013176768	1	261	0.73	1.00	0.038
19-<20	0.013176768	1	261	0.73	1.00	0.038
20-<21	0.013176768	1	261	0.73	1.00	0.038
21-<22	0.013176768	1	261	0.73	1.00	0.038
22-<23	0.013176768	1	261	0.73	1.00	0.038
23-<24	0.013176768	1	261	0.73	1.00	0.038
24-<25	0.013176768	1	261	0.73	1.00	0.038
25-<26	0.013176768	1	261	0.73	1.00	0.038
26-<27	0.013176768	1	261	0.73	0.77	0.029
Total						9.93

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 592081.6 4180048.45

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.088790646	3	631	1	7.00	17.7
9 to 16	0.088790646	3	572	1	7.00	16.1
>16	0.088790646	1	261	0.73	13.02	3.3
Total						37.12

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.013176768	3	631	1	7.00	2.6
9 to 16	0.013176768	3	572	1	7.00	2.4
>16	0.013176768	1	261	0.73	13.02	0.5
Total						5.51

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 592081.6 4180048.45

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.088790646	1	261	0.73	27.02	6.9
Total						6.89

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.013176768	1	261	0.73	27.02	1.0
Total						1.02

City of San Ramon—CityWalk Master Plan EIR

Scenario 1—Existing Off-site Receptors Exposed to all Phases of Construction

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
592081.6	4180048.45	0.0888	0.0888	0.01776

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
592081.6	4180048.45	0.1038	0.1038

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
592020.28	4180184.79	0.0132	0.0132	0.00264

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
592020.28	4180184.79	#REF!	#REF!

592467.29	4180381.28	237387	184724	04173	05938	080388	060275	031036	526674	461574	225104	581506	546606	628806	572106	122568
592468.02	4180382.24	237388	184724	04173	05938	080388	060275	031036	526674	461574	225104	581506	546606	628806	572106	122568
592468.75	4180383.19	237392	184725	04173	05939	080389	060275	031037	526675	461575	225105	581507	546607	628807	572107	122569
592469.48	4180384.14	237396	184726	04174	05940	080390	060276	031038	526676	461576	225106	581508	546608	628808	572108	122570
592470.21	4180385.09	237400	184727	04174	05941	080391	060276	031039	526677	461577	225107	581509	546609	628809	572109	122571
592470.94	4180386.04	237404	184728	04175	05942	080392	060277	031040	526678	461578	225108	581510	546610	628810	572110	122572
592471.67	4180386.99	237408	184729	04175	05943	080393	060277	031041	526679	461579	225109	581511	546611	628811	572111	122573
592472.40	4180387.94	237412	184730	04176	05944	080394	060278	031042	526680	461580	225110	581512	546612	628812	572112	122574
592473.13	4180388.89	237416	184731	04176	05945	080395	060278	031043	526681	461581	225111	581513	546613	628813	572113	122575
592473.86	4180389.84	237420	184732	04177	05946	080396	060279	031044	526682	461582	225112	581514	546614	628814	572114	122576
592474.59	4180389.79	237424	184733	04177	05947	080397	060279	031045	526683	461583	225113	581515	546615	628815	572115	122577
592475.32	4180390.74	237428	184734	04178	05948	080398	060280	031046	526684	461584	225114	581516	546616	628816	572116	122578
592476.05	4180391.69	237432	184735	04178	05949	080399	060280	031047	526685	461585	225115	581517	546617	628817	572117	122579
592476.78	4180392.64	237436	184736	04179	05950	080400	060281	031048	526686	461586	225116	581518	546618	628818	572118	122580
592477.51	4180393.59	237440	184737	04179	05951	080401	060281	031049	526687	461587	225117	581519	546619	628819	572119	122581
592478.24	4180394.54	237444	184738	04180	05952	080402	060282	031050	526688	461588	225118	581520	546620	628820	572120	122582
592478.97	4180395.49	237448	184739	04180	05953	080403	060282	031051	526689	461589	225119	581521	546621	628821	572121	122583
592479.70	4180396.44	237452	184740	04181	05954	080404	060283	031052	526690	461590	225120	581522	546622	628822	572122	122584
592480.43	4180397.39	237456	184741	04181	05955	080405	060283	031053	526691	461591	225121	581523	546623	628823	572123	122585
592481.16	4180398.34	237460	184742	04182	05956	080406	060284	031054	526692	461592	225122	581524	546624	628824	572124	122586
592481.89	4180399.29	237464	184743	04182	05957	080407	060284	031055	526693	461593	225123	581525	546625	628825	572125	122587
592482.62	4180400.24	237468	184744	04183	05958	080408	060285	031056	526694	461594	225124	581526	546626	628826	572126	122588
592483.35	4180401.19	237472	184745	04183	05959	080409	060285	031057	526695	461595	225125	581527	546627	628827	572127	122589
592484.08	4180402.14	237476	184746	04184	05960	080410	060286	031058	526696	461596	225126	581528	546628	628828	572128	122590
592484.81	4180403.09	237480	184747	04184	05961	080411	060286	031059	526697	461597	225127	581529	546629	628829	572129	122591
592485.54	4180404.04	237484	184748	04185	05962	080412	060287	031060	526698	461598	225128	581530	546630	628830	572130	122592
592486.27	4180404.99	237488	184749	04185	05963	080413	060287	031061	526699	461599	225129	581531	546631	628831	572131	122593
592487.00	4180405.94	237492	184750	04186	05964	080414	060288	031062	526700	461600	225130	581532	546632	628832	572132	122594
592487.73	4180406.89	237496	184751	04186	05965	080415	060288	031063	526701	461601	225131	581533	546633	628833	572133	122595
592488.46	4180407.84	237500	184752	04187	05966	080416	060289	031064	526702	461602	225132	581534	546634	628834	572134	122596
592489.19	4180408.79	237504	184753	04187	05967	080417	060289	031065	526703	461603	225133	581535	546635	628835	572135	122597
592489.92	4180409.74	237508	184754	04188	05968	080418	060290	031066	526704	461604	225134	581536	546636	628836	572136	122598
592490.65	4180409.69	237512	184755	04188	05969	080419	060290	031067	526705	461605	225135	581537	546637	628837	572137	122599
592491.38	4180410.64	237516	184756	04189	05970	080420	060291	031068	526706	461606	225136	581538	546638	628838	572138	122600
592492.11	4180411.59	237520	184757	04189	05971	080421	060291	031069	526707	461607	225137	581539	546639	628839	572139	122601
592492.84	4180412.54	237524	184758	04190	05972	080422	060292	031070	526708	461608	225138	581540	546640	628840	572140	122602
592493.57	4180413.49	237528	184759	04190	05973	080423	060292	031071	526709	461609	225139	581541	546641	628841	572141	122603
592494.30	4180414.44	237532	184760	04191	05974	080424	060293	031072	526710	461610	225140	581542	546642	628842	572142	122604
592495.03	4180415.39	237536	184761	04191	05975	080425	060293	031073	526711	461611	225141	581543	546643	628843	572143	122605
592495.76	4180416.34	237540	184762	04192	05976	080426	060294	031074	526712	461612	225142	581544	546644	628844	572144	122606
592496.49	4180417.29	237544	184763	04192	05977	080427	060294	031075	526713	461613	225143	581545	546645	628845	572145	122607
592497.22	4180418.24	237548	184764	04193	05978	080428	060295	031076	526714	461614	225144	581546	546646	628846	572146	122608
592497.95	4180419.19	237552	184765	04193	05979	080429	060295	031077	526715	461615	225145	581547	546647	628847	572147	122609
592498.68	4180420.14	237556	184766	04194	05980	080430	060296	031078	526716	461616	225146	581548	546648	628848	572148	122610
592499.41	4180421.09	237560	184767	04194	05981	080431	060296	031079	526717	461617	225147	581549	546649	628849	572149	122611
592500.14	4180422.04	237564	184768	04195	05982	080432	060297	031080	526718	461618	225148	581550	546650	628850	572150	122612
592500.87	4180422.99	237568	184769	04195	05983	080433	060297	031081	526719	461619	225149	581551	546651	628851	572151	122613
592501.60	4180423.94	237572	184770	04196	05984	080434	060298	031082	526720	461620	225150	581552	546652	628852	572152	122614
592502.33	4180424.89	237576	184771	04196	05985	080435	060298	031083	526721	461621	225151	581553	546653	628853	572153	122615
592503.06	4180425.84	237580	184772	04197	05986	080436	060299	031084	526722	461622	225152	581554	546654	628854	572154	122616
592503.79	4180426.79	237584	184773	04197	05987	080437	060299	031085	526723	461623	225153	581555	546655	628855	572155	122617
592504.52	4180427.74	237588	184774	04198	05988	080438	060300	031086	526724	461624	225154	581556	546656	628856	572156	122618
592505.25	4180428.69	237592	184775	04198	05989	080439	060300	031087	526725	461625	225155	581557	546657	628857	572157	122619
592505.98	4180429.64	237596	184776	04199	05990	080440	060301	031088	526726	461626	225156	581558	546658	628858	572158	122620
592506.71	4180430.59	237600	184777	04199	05991	080441	060301	031089	526727	461627	225157	581559	546659	628859	572159	122621
592507.44	4180431.54	237604	184778	04200	05992	080442	060302	031090	526728	461628	225158	581560	546660	628860	572160	122622
592508.17	4180432.49	237608	184779	04200	05993	080443	060302	031091	526729	461629	225159	581561	546661	628861	572161	122623
592508.90	4180433.44	237612	184780	04201	05994	080444	060303	031092	526730	461630	225160	581562	546662	628862	572162	122624
592509.63	4180434.39	237616	184781	04201	05995	080445	060303	031093	526731	461631	225161	581563	546663	628863	572163	122625
592510.36	4180435.34	237620	184782	04202	05996	080446	060304	031094	526732	461632	225162	581564	546664	628864	572164	122626
592511.09	4180436.29	237624	184783	04202	05997	080447	060304	031095	526733	461633	225163	581565	546665	628865	572165	122627
592511.82	4180437.24	237628	184784	04203	05998	080448	060305	031096	526734	461634	225164	581566	546666	628866	572166	122628
592512.55	4180438.19	237632	184785	04203	05999	080449	060305	031097	526735	461635	225165	581567	546667	628867	572167	122629
59																

5902075	41809292	0.0363	0.0314	0.0394	0.0655	0.0507	0.0461	0.0607	6.26E-06	8.76E-06	9.93E-05	5.11E-07	4.11E-07	5.73E-07	4.23E-07	1.627E-04
5902074	41809282	0.0364	0.0315	0.0395	0.0656	0.0508	0.0462	0.0608	6.27E-06	8.77E-06	9.94E-05	5.12E-07	4.12E-07	5.74E-07	4.24E-07	1.628E-04
5902073	41809272	0.0365	0.0316	0.0396	0.0657	0.0509	0.0463	0.0609	6.28E-06	8.78E-06	9.95E-05	5.13E-07	4.13E-07	5.75E-07	4.25E-07	1.629E-04
5902072	41809262	0.0366	0.0317	0.0397	0.0658	0.0510	0.0464	0.0610	6.29E-06	8.79E-06	9.96E-05	5.14E-07	4.14E-07	5.76E-07	4.26E-07	1.630E-04
5902071	41809252	0.0367	0.0318	0.0398	0.0659	0.0511	0.0465	0.0611	6.30E-06	8.80E-06	9.97E-05	5.15E-07	4.15E-07	5.77E-07	4.27E-07	1.631E-04
5902070	41809242	0.0368	0.0319	0.0399	0.0660	0.0512	0.0466	0.0612	6.31E-06	8.81E-06	9.98E-05	5.16E-07	4.16E-07	5.78E-07	4.28E-07	1.632E-04
5902069	41809232	0.0369	0.0320	0.0400	0.0661	0.0513	0.0467	0.0613	6.32E-06	8.82E-06	9.99E-05	5.17E-07	4.17E-07	5.79E-07	4.29E-07	1.633E-04
5902068	41809222	0.0370	0.0321	0.0401	0.0662	0.0514	0.0468	0.0614	6.33E-06	8.83E-06	1.00E-04	5.18E-07	4.18E-07	5.80E-07	4.30E-07	1.634E-04
5902067	41809212	0.0371	0.0322	0.0402	0.0663	0.0515	0.0469	0.0615	6.34E-06	8.84E-06	1.00E-04	5.19E-07	4.19E-07	5.81E-07	4.31E-07	1.635E-04
5902066	41809202	0.0372	0.0323	0.0403	0.0664	0.0516	0.0470	0.0616	6.35E-06	8.85E-06	1.00E-04	5.20E-07	4.20E-07	5.82E-07	4.32E-07	1.636E-04
5902065	41809192	0.0373	0.0324	0.0404	0.0665	0.0517	0.0471	0.0617	6.36E-06	8.86E-06	1.00E-04	5.21E-07	4.21E-07	5.83E-07	4.33E-07	1.637E-04
5902064	41809182	0.0374	0.0325	0.0405	0.0666	0.0518	0.0472	0.0618	6.37E-06	8.87E-06	1.00E-04	5.22E-07	4.22E-07	5.84E-07	4.34E-07	1.638E-04
5902063	41809172	0.0375	0.0326	0.0406	0.0667	0.0519	0.0473	0.0619	6.38E-06	8.88E-06	1.00E-04	5.23E-07	4.23E-07	5.85E-07	4.35E-07	1.639E-04
5902062	41809162	0.0376	0.0327	0.0407	0.0668	0.0520	0.0474	0.0620	6.39E-06	8.89E-06	1.00E-04	5.24E-07	4.24E-07	5.86E-07	4.36E-07	1.640E-04
5902061	41809152	0.0377	0.0328	0.0408	0.0669	0.0521	0.0475	0.0621	6.40E-06	8.90E-06	1.00E-04	5.25E-07	4.25E-07	5.87E-07	4.37E-07	1.641E-04
5902060	41809142	0.0378	0.0329	0.0409	0.0670	0.0522	0.0476	0.0622	6.41E-06	8.91E-06	1.00E-04	5.26E-07	4.26E-07	5.88E-07	4.38E-07	1.642E-04
5902059	41809132	0.0379	0.0330	0.0410	0.0671	0.0523	0.0477	0.0623	6.42E-06	8.92E-06	1.00E-04	5.27E-07	4.27E-07	5.89E-07	4.39E-07	1.643E-04
5902058	41809122	0.0380	0.0331	0.0411	0.0672	0.0524	0.0478	0.0624	6.43E-06	8.93E-06	1.00E-04	5.28E-07	4.28E-07	5.90E-07	4.40E-07	1.644E-04
5902057	41809112	0.0381	0.0332	0.0412	0.0673	0.0525	0.0479	0.0625	6.44E-06	8.94E-06	1.00E-04	5.29E-07	4.29E-07	5.91E-07	4.41E-07	1.645E-04
5902056	41809102	0.0382	0.0333	0.0413	0.0674	0.0526	0.0480	0.0626	6.45E-06	8.95E-06	1.00E-04	5.30E-07	4.30E-07	5.92E-07	4.42E-07	1.646E-04
5902055	41809092	0.0383	0.0334	0.0414	0.0675	0.0527	0.0481	0.0627	6.46E-06	8.96E-06	1.00E-04	5.31E-07	4.31E-07	5.93E-07	4.43E-07	1.647E-04
5902054	41809082	0.0384	0.0335	0.0415	0.0676	0.0528	0.0482	0.0628	6.47E-06	8.97E-06	1.00E-04	5.32E-07	4.32E-07	5.94E-07	4.44E-07	1.648E-04
5902053	41809072	0.0385	0.0336	0.0416	0.0677	0.0529	0.0483	0.0629	6.48E-06	8.98E-06	1.00E-04	5.33E-07	4.33E-07	5.95E-07	4.45E-07	1.649E-04
5902052	41809062	0.0386	0.0337	0.0417	0.0678	0.0530	0.0484	0.0630	6.49E-06	8.99E-06	1.00E-04	5.34E-07	4.34E-07	5.96E-07	4.46E-07	1.650E-04
5902051	41809052	0.0387	0.0338	0.0418	0.0679	0.0531	0.0485	0.0631	6.50E-06	9.00E-06	1.00E-04	5.35E-07	4.35E-07	5.97E-07	4.47E-07	1.651E-04
5902050	41809042	0.0388	0.0339	0.0419	0.0680	0.0532	0.0486	0.0632	6.51E-06	9.01E-06	1.00E-04	5.36E-07	4.36E-07	5.98E-07	4.48E-07	1.652E-04
5902049	41809032	0.0389	0.0340	0.0420	0.0681	0.0533	0.0487	0.0633	6.52E-06	9.02E-06	1.00E-04	5.37E-07	4.37E-07	5.99E-07	4.49E-07	1.653E-04
5902048	41809022	0.0390	0.0341	0.0421	0.0682	0.0534	0.0488	0.0634	6.53E-06	9.03E-06	1.00E-04	5.38E-07	4.38E-07	6.00E-07	4.50E-07	1.654E-04
5902047	41809012	0.0391	0.0342	0.0422	0.0683	0.0535	0.0489	0.0635	6.54E-06	9.04E-06	1.00E-04	5.39E-07	4.39E-07	6.01E-07	4.51E-07	1.655E-04
5902046	41809002	0.0392	0.0343	0.0423	0.0684	0.0536	0.0490	0.0636	6.55E-06	9.05E-06	1.00E-04	5.40E-07	4.40E-07	6.02E-07	4.52E-07	1.656E-04
5902045	41808992	0.0393	0.0344	0.0424	0.0685	0.0537	0.0491	0.0637	6.56E-06	9.06E-06	1.00E-04	5.41E-07	4.41E-07	6.03E-07	4.53E-07	1.657E-04
5902044	41808982	0.0394	0.0345	0.0425	0.0686	0.0538	0.0492	0.0638	6.57E-06	9.07E-06	1.00E-04	5.42E-07	4.42E-07	6.04E-07	4.54E-07	1.658E-04
5902043	41808972	0.0395	0.0346	0.0426	0.0687	0.0539	0.0493	0.0639	6.58E-06	9.08E-06	1.00E-04	5.43E-07	4.43E-07	6.05E-07	4.55E-07	1.659E-04
5902042	41808962	0.0396	0.0347	0.0427	0.0688	0.0540	0.0494	0.0640	6.59E-06	9.09E-06	1.00E-04	5.44E-07	4.44E-07	6.06E-07	4.56E-07	1.660E-04
5902041	41808952	0.0397	0.0348	0.0428	0.0689	0.0541	0.0495	0.0641	6.60E-06	9.10E-06	1.00E-04	5.45E-07	4.45E-07	6.07E-07	4.57E-07	1.661E-04
5902040	41808942	0.0398	0.0349	0.0429	0.0690	0.0542	0.0496	0.0642	6.61E-06	9.11E-06	1.00E-04	5.46E-07	4.46E-07	6.08E-07	4.58E-07	1.662E-04
5902039	41808932	0.0399	0.0350	0.0430	0.0691	0.0543	0.0497	0.0643	6.62E-06	9.12E-06	1.00E-04	5.47E-07	4.47E-07	6.09E-07	4.59E-07	1.663E-04
5902038	41808922	0.0400	0.0351	0.0431	0.0692	0.0544	0.0498	0.0644	6.63E-06	9.13E-06	1.00E-04	5.48E-07	4.48E-07	6.10E-07	4.60E-07	1.664E-04
5902037	41808912	0.0401	0.0352	0.0432	0.0693	0.0545	0.0499	0.0645	6.64E-06	9.14E-06	1.00E-04	5.49E-07	4.49E-07	6.11E-07	4.61E-07	1.665E-04
5902036	41808902	0.0402	0.0353	0.0433	0.0694	0.0546	0.0500	0.0646	6.65E-06	9.15E-06	1.00E-04	5.50E-07	4.50E-07	6.12E-07	4.62E-07	1.666E-04
5902035	41808892	0.0403	0.0354	0.0434	0.0695	0.0547	0.0501	0.0647	6.66E-06	9.16E-06	1.00E-04	5.51E-07	4.51E-07	6.13E-07	4.63E-07	1.667E-04
5902034	41808882	0.0404	0.0355	0.0435	0.0696	0.0548	0.0502	0.0648	6.67E-06	9.17E-06	1.00E-04	5.52E-07	4.52E-07	6.14E-07	4.64E-07	1.668E-04
5902033	41808872	0.0405	0.0356	0.0436	0.0697	0.0549	0.0503	0.0649	6.68E-06	9.18E-06	1.00E-04	5.53E-07	4.53E-07	6.15E-07	4.65E-07	1.669E-04
5902032	41808862	0.0406	0.0357	0.0437	0.0698	0.0550	0.0504	0.0650	6.69E-06	9.19E-06	1.00E-04	5.54E-07	4.54E-07	6.16E-07	4.66E-07	1.670E-04
5902031	41808852	0.0407	0.0358	0.0438	0.0699	0.0551	0.0505	0.0651	6.70E-06	9.20E-06	1.00E-04	5.55E-07	4.55E-07	6.17E-07	4.67E-07	1.671E-04
5902030	41808842	0.0408	0.0359	0.0439	0.0700	0.0552	0.0506	0.0652	6.71E-06	9.21E-06	1.00E-04	5.56E-07	4.56E-07	6.18E-07	4.68E-07	1.672E-04
5902029	41808832	0.0409	0.0360	0.0440	0.0701	0.0553	0.0507	0.0653	6.72E-06	9.22E-06	1.00E-04	5.57E-07	4.57E-07	6.19E-07	4.69E-07	1.673E-04
5902028	41808822	0.0410	0.0361	0.0441	0.0702	0.0554	0.0508	0.0654	6.73E-06	9.23E-06	1.00E-04	5.58E-07	4.58E-07	6.20E-07	4.70E-07	1.674E-04
5902027	41808812	0.0411	0.0362	0.0442	0.0703	0.0555	0.0509	0.0655	6.74E-06	9.24E-06	1.00E-04	5.59E-07	4.59E-07	6.21E-07	4.71E-07	1.675E-04
5902026	41808802	0.0412	0.0363	0.0443	0.0704	0.0556	0.0510	0.0656	6.75E-06	9.25E-06	1.00E-04	5.60E-07	4.60E-07	6.22E-07	4.72E-07	1.676E-04
5902025	41808792	0.0413	0.0364	0.0444	0.0705	0.0557	0.0511	0.0657	6.76E-06	9.26E-06	1.00E-04	5.61E-07	4.61E-07	6.23E-07	4.73E-07	1.677E-04
5902024	41808782	0.0414	0.0365	0.0445	0.0706	0.0558	0.0512	0.0658	6.77E-06	9.27E-06	1.00E-04	5.62E-07	4.62E-07	6.24E-07	4.74E-07	1.678E-04
5902023	41808772	0.0415	0.0366	0.0446	0.0707	0.0559	0.0513	0.0659	6.78E-06	9.28E-06	1.00E-04	5.63E-07	4.63E-07	6.25E-07	4.75E-07	1.679E-04
5902022	41808762	0.0416	0.0367	0.0447	0.0708	0.0560	0.0514	0.0660	6.79E-06	9.29E-06	1.00E-04	5.64E-07	4.64E-07	6.26E-07	4.76E-07	1.680E-04
5902021	41808752	0.0417	0.0368	0.0448	0.0709	0.0561	0.0515	0.0661	6.80E-06	9.30E-06	1.00E-04	5.65E-07	4.65E-07	6.27E-07	4.77E-07	1.681E-04
5902020	41808742	0.0418	0.0369	0.0449	0.0710	0.0562	0.0516	0.0662	6.81E-06	9.31E-06	1.00E-04	5.66E-07	4.66E-07	6.28E-07	4.78E-07	1.682E-04
5902019	41808732	0.0419	0.0370	0.0450	0.0711	0.0563	0.0517	0.0663	6.82E-06	9.32E-06	1.00E-04	5.67E-07	4.67E-07	6.29E-07	4.79E-07	1.683E-04
5902018	41808722	0.0420	0.0371	0.0451	0.0712	0.0564	0.0518	0.0664	6.83E-06	9.33E-06	1.00E-04	5.68E-07	4.68E-07	6.30E-07	4.80E-07	1.684E-04
5902017	41808712	0.0421	0.0372													

590581.75	4180677.46	0.01906	0.02775	0.12782	0.04963	0.04271	0.05073	0.04285	3.89E-06	6.92E-06	6.90E-05	4.14E-07	2.87E-07	4.60E-07	3.02E-07	8.1288E-05
590589.83	4180683.81	0.02025	0.03497	0.12919	0.05116	0.04907	0.05288	0.04922	4.14E-06	6.92E-06	6.97E-05	4.44E-07	3.36E-07	4.80E-07	3.46E-07	8.1422E-05
590709.41	418080.9	0.02071	0.04492	0.12853	0.05207	0.05277	0.05277	0.04966	4.21E-06	6.92E-06	6.94E-05	4.43E-07	3.36E-07	4.79E-07	3.49E-07	8.1448E-05
590545.61	4180787.43	0.01904	0.02684	0.12799	0.05093	0.04444	0.05104	0.04845	3.89E-06	6.90E-06	6.91E-05	4.25E-07	2.96E-07	4.93E-07	3.12E-07	8.1395E-05
590474.4	4180652.33	0.0209	0.02889	0.12878	0.04988	0.04151	0.04832	0.04415	3.88E-06	6.84E-06	6.84E-05	4.04E-07	2.76E-07	4.93E-07	2.93E-07	8.0746E-05
59057.24	4180831.72	0.0207	0.02507	0.12785	0.05182	0.04891	0.05258	0.04866	4.02E-06	6.90E-06	6.90E-05	4.41E-07	3.26E-07	4.77E-07	3.42E-07	8.0810E-05
59057.19	4180721.37	0.01903	0.02644	0.12837	0.05112	0.04866	0.05209	0.04951	3.89E-06	6.90E-06	6.92E-05	4.27E-07	3.02E-07	4.93E-07	3.16E-07	8.0216E-05
590451.05	4180643.28	0.01898	0.02887	0.12816	0.04707	0.04053	0.04899	0.04045	3.88E-06	6.71E-06	6.70E-05	3.93E-07	2.71E-07	4.44E-07	2.85E-07	7.9432E-05
590576.72	4180648.82	0.01902	0.02476	0.12805	0.05254	0.04021	0.04855	0.04025	4.02E-06	6.93E-06	6.93E-05	4.39E-07	3.31E-07	4.74E-07	3.44E-07	8.0330E-05
590511.27	4180691.32	0.01893	0.02717	0.12891	0.04283	0.05047	0.04309	0.04706	4.78E-06	6.74E-06	6.74E-05	4.15E-07	2.86E-07	4.98E-07	3.03E-07	7.9447E-05
590506.2	4180871.9	0.02002	0.02466	0.12822	0.05122	0.05252	0.04928	0.04106	4.11E-06	6.79E-06	6.78E-05	4.38E-07	3.34E-07	4.74E-07	3.45E-07	7.9822E-05
590481.15	4180676.48	0.01886	0.02756	0.12796	0.04943	0.04163	0.04815	0.04178	3.85E-06	6.81E-06	6.84E-05	4.06E-07	2.82E-07	4.92E-07	2.94E-07	7.9424E-05
590431.26	4180806.47	0.01942	0.02506	0.12844	0.05228	0.04795	0.05209	0.04776	3.97E-06	6.92E-06	6.92E-05	4.37E-07	3.21E-07	4.73E-07	3.36E-07	7.9848E-05
590563.11	4180818.1	0.01961	0.02456	0.12894	0.05202	0.04846	0.05174	0.04204	4.13E-06	6.90E-06	6.90E-05	4.34E-07	3.26E-07	4.69E-07	3.39E-07	7.9815E-05
590482.99	418086.9	0.01995	0.02144	0.12816	0.05192	0.04887	0.05151	0.04844	4.08E-06	6.90E-06	6.91E-05	4.34E-07	3.21E-07	4.68E-07	3.41E-07	7.9224E-05
590415.78	4180564.44	0.01882	0.02803	0.12884	0.04713	0.04853	0.04959	0.04856	3.85E-06	6.47E-06	6.47E-05	3.94E-07	2.71E-07	4.44E-07	2.86E-07	7.8990E-05
590462.61	418066.6	0.01866	0.02745	0.12866	0.04713	0.04605	0.04888	0.04606	3.81E-06	6.85E-06	6.47E-05	3.94E-07	2.71E-07	4.44E-07	2.86E-07	7.6746E-05
590492.61	4180820.27	0.01873	0.027	0.12805	0.04846	0.04188	0.0487	0.04199	3.88E-06	6.78E-06	6.48E-05	4.06E-07	2.82E-07	4.92E-07	2.95E-07	7.6880E-05
590556.1	4180821.81	0.01941	0.02449	0.12795	0.05167	0.04719	0.05144	0.04765	3.97E-06	6.97E-06	6.97E-05	4.32E-07	3.21E-07	4.66E-07	3.35E-07	7.7316E-05
590536.31	4180719.04	0.01872	0.02613	0.12815	0.04987	0.04348	0.05003	0.04938	3.85E-06	6.52E-06	6.51E-05	4.16E-07	2.92E-07	4.94E-07	3.07E-07	7.6073E-05
590569.78	418089.9	0.01961	0.02418	0.12861	0.05135	0.04813	0.04778	0.04204	4.02E-06	6.90E-06	6.90E-05	4.29E-07	3.24E-07	4.69E-07	3.36E-07	7.9362E-05
590547.82	418071.9	0.01867	0.0257	0.12803	0.04996	0.04884	0.04997	0.04939	3.82E-06	6.43E-06	6.43E-05	4.17E-07	2.92E-07	4.93E-07	3.06E-07	7.5961E-05
590504.07	4180735.36	0.01899	0.02643	0.12749	0.04869	0.04204	0.04945	0.04212	3.82E-06	6.59E-06	6.54E-05	4.07E-07	2.82E-07	4.96E-07	2.97E-07	7.5375E-05
590555.57	418082.9	0.01934	0.02403	0.12883	0.05091	0.04748	0.05059	0.04672	3.95E-06	6.99E-06	6.99E-05	4.25E-07	3.26E-07	4.99E-07	3.12E-07	7.5495E-05
590425.89	4180812.27	0.01904	0.02436	0.12809	0.04975	0.05073	0.04973	0.04973	3.88E-06	6.68E-06	6.68E-05	4.26E-07	3.11E-07	4.60E-07	3.28E-07	7.5496E-05
590472.03	4180807.32	0.01848	0.02674	0.12814	0.04791	0.04607	0.04847	0.04608	3.78E-06	6.87E-06	6.87E-05	4.02E-07	2.74E-07	4.92E-07	2.87E-07	7.4346E-05
590443.36	4180845.9	0.01913	0.02395	0.12822	0.04693	0.05026	0.04607	0.04976	3.97E-06	6.97E-06	6.97E-05	4.22E-07	3.16E-07	4.96E-07	3.29E-07	7.4340E-05
59026.98	4180716.63	0.0184	0.02545	0.12874	0.04885	0.04209	0.04905	0.04209	3.74E-06	6.44E-06	6.44E-05	4.08E-07	2.87E-07	4.95E-07	3.00E-07	7.2964E-05
590430.15	4180888.9	0.01892	0.02386	0.12811	0.04633	0.04991	0.04614	0.04976	3.97E-06	6.99E-06	6.99E-05	4.19E-07	3.11E-07	4.91E-07	3.25E-07	7.2912E-05
59038.44	4180744.42	0.01834	0.02522	0.12844	0.04889	0.04209	0.04891	0.04209	3.75E-06	6.43E-06	6.43E-05	4.08E-07	2.86E-07	4.94E-07	3.01E-07	7.2310E-05
59048.52	4180811.07	0.0187	0.02374	0.12848	0.04975	0.04658	0.04912	0.04615	3.82E-06	6.97E-06	6.97E-05	4.16E-07	3.07E-07	4.96E-07	3.20E-07	7.1911E-05
59049.9	4180718.21	0.01834	0.02472	0.12844	0.04833	0.04901	0.04931	0.04931	3.79E-06	6.47E-06	6.47E-05	4.10E-07	2.92E-07	4.94E-07	3.05E-07	7.1647E-05
59029.05	4180716.93	0.01799	0.02433	0.04819	0.04779	0.04832	0.04818	0.04819	3.68E-06	6.07E-06	6.07E-05	3.99E-07	2.82E-07	4.94E-07	3.05E-07	6.8988E-05
590540.45	4180740.65	0.01832	0.02409	0.05087	0.048	0.0424	0.04801	0.04238	3.68E-06	6.01E-06	5.72E-05	4.01E-07	2.81E-07	4.94E-07	2.98E-07	6.8268E-05

CONJUNT 46
 DEFUNET 6/04

591829.31	418074.11	1.5669	1.1117	3.6555	4.0667	3.6667	3.9883	5.1188	1.4404	2.0998	1.9785	1.5994	1.1814	1.6376	2.9783
591830.00	418074.34	1.5670	1.1118	3.6556	4.0668	3.6668	3.9884	5.1189	1.4405	2.0999	1.9786	1.5995	1.1815	1.6377	2.9784
591831.31	418074.58	1.5671	1.1119	3.6557	4.0669	3.6669	3.9885	5.1190	1.4406	2.1000	1.9787	1.5996	1.1816	1.6378	2.9785
591832.00	418074.82	1.5672	1.1120	3.6558	4.0670	3.6670	3.9886	5.1191	1.4407	2.1001	1.9788	1.5997	1.1817	1.6379	2.9786
591833.31	418075.06	1.5673	1.1121	3.6559	4.0671	3.6671	3.9887	5.1192	1.4408	2.1002	1.9789	1.5998	1.1818	1.6380	2.9787
591834.00	418075.30	1.5674	1.1122	3.6560	4.0672	3.6672	3.9888	5.1193	1.4409	2.1003	1.9790	1.5999	1.1819	1.6381	2.9788
591835.31	418075.54	1.5675	1.1123	3.6561	4.0673	3.6673	3.9889	5.1194	1.4410	2.1004	1.9791	1.5999	1.1820	1.6382	2.9789
591836.00	418075.78	1.5676	1.1124	3.6562	4.0674	3.6674	3.9890	5.1195	1.4411	2.1005	1.9792	1.5999	1.1821	1.6383	2.9790
591837.31	418076.02	1.5677	1.1125	3.6563	4.0675	3.6675	3.9891	5.1196	1.4412	2.1006	1.9793	1.5999	1.1822	1.6384	2.9791
591838.00	418076.26	1.5678	1.1126	3.6564	4.0676	3.6676	3.9892	5.1197	1.4413	2.1007	1.9794	1.5999	1.1823	1.6385	2.9792
591839.31	418076.50	1.5679	1.1127	3.6565	4.0677	3.6677	3.9893	5.1198	1.4414	2.1008	1.9795	1.5999	1.1824	1.6386	2.9793
591840.00	418076.74	1.5680	1.1128	3.6566	4.0678	3.6678	3.9894	5.1199	1.4415	2.1009	1.9796	1.5999	1.1825	1.6387	2.9794
591841.31	418076.98	1.5681	1.1129	3.6567	4.0679	3.6679	3.9895	5.1200	1.4416	2.1010	1.9797	1.5999	1.1826	1.6388	2.9795
591842.00	418077.22	1.5682	1.1130	3.6568	4.0680	3.6680	3.9896	5.1201	1.4417	2.1011	1.9798	1.5999	1.1827	1.6389	2.9796
591843.31	418077.46	1.5683	1.1131	3.6569	4.0681	3.6681	3.9897	5.1202	1.4418	2.1012	1.9799	1.5999	1.1828	1.6390	2.9797
591844.00	418077.70	1.5684	1.1132	3.6570	4.0682	3.6682	3.9898	5.1203	1.4419	2.1013	1.9800	1.5999	1.1829	1.6391	2.9798
591845.31	418077.94	1.5685	1.1133	3.6571	4.0683	3.6683	3.9899	5.1204	1.4420	2.1014	1.9801	1.5999	1.1830	1.6392	2.9799
591846.00	418078.18	1.5686	1.1134	3.6572	4.0684	3.6684	3.9900	5.1205	1.4421	2.1015	1.9802	1.5999	1.1831	1.6393	2.9800
591847.31	418078.42	1.5687	1.1135	3.6573	4.0685	3.6685	3.9901	5.1206	1.4422	2.1016	1.9803	1.5999	1.1832	1.6394	2.9801
591848.00	418078.66	1.5688	1.1136	3.6574	4.0686	3.6686	3.9902	5.1207	1.4423	2.1017	1.9804	1.5999	1.1833	1.6395	2.9802
591849.31	418078.90	1.5689	1.1137	3.6575	4.0687	3.6687	3.9903	5.1208	1.4424	2.1018	1.9805	1.5999	1.1834	1.6396	2.9803
591850.00	418079.14	1.5690	1.1138	3.6576	4.0688	3.6688	3.9904	5.1209	1.4425	2.1019	1.9806	1.5999	1.1835	1.6397	2.9804
591851.31	418079.38	1.5691	1.1139	3.6577	4.0689	3.6689	3.9905	5.1210	1.4426	2.1020	1.9807	1.5999	1.1836	1.6398	2.9805
591852.00	418079.62	1.5692	1.1140	3.6578	4.0690	3.6690	3.9906	5.1211	1.4427	2.1021	1.9808	1.5999	1.1837	1.6399	2.9806
591853.31	418079.86	1.5693	1.1141	3.6579	4.0691	3.6691	3.9907	5.1212	1.4428	2.1022	1.9809	1.5999	1.1838	1.6400	2.9807
591854.00	418080.10	1.5694	1.1142	3.6580	4.0692	3.6692	3.9908	5.1213	1.4429	2.1023	1.9810	1.5999	1.1839	1.6401	2.9808
591855.31	418080.34	1.5695	1.1143	3.6581	4.0693	3.6693	3.9909	5.1214	1.4430	2.1024	1.9811	1.5999	1.1840	1.6402	2.9809
591856.00	418080.58	1.5696	1.1144	3.6582	4.0694	3.6694	3.9910	5.1215	1.4431	2.1025	1.9812	1.5999	1.1841	1.6403	2.9810
591857.31	418080.82	1.5697	1.1145	3.6583	4.0695	3.6695	3.9911	5.1216	1.4432	2.1026	1.9813	1.5999	1.1842	1.6404	2.9811
591858.00	418081.06	1.5698	1.1146	3.6584	4.0696	3.6696	3.9912	5.1217	1.4433	2.1027	1.9814	1.5999	1.1843	1.6405	2.9812
591859.31	418081.30	1.5699	1.1147	3.6585	4.0697	3.6697	3.9913	5.1218	1.4434	2.1028	1.9815	1.5999	1.1844	1.6406	2.9813
591860.00	418081.54	1.5700	1.1148	3.6586	4.0698	3.6698	3.9914	5.1219	1.4435	2.1029	1.9816	1.5999	1.1845	1.6407	2.9814
591861.31	418081.78	1.5701	1.1149	3.6587	4.0699	3.6699	3.9915	5.1220	1.4436	2.1030	1.9817	1.5999	1.1846	1.6408	2.9815
591862.00	418082.02	1.5702	1.1150	3.6588	4.0700	3.6700	3.9916	5.1221	1.4437	2.1031	1.9818	1.5999	1.1847	1.6409	2.9816
591863.31	418082.26	1.5703	1.1151	3.6589	4.0701	3.6701	3.9917	5.1222	1.4438	2.1032	1.9819	1.5999	1.1848	1.6410	2.9817
591864.00	418082.50	1.5704	1.1152	3.6590	4.0702	3.6702	3.9918	5.1223	1.4439	2.1033	1.9820	1.5999	1.1849	1.6411	2.9818
591865.31	418082.74	1.5705	1.1153	3.6591	4.0703	3.6703	3.9919	5.1224	1.4440	2.1034	1.9821	1.5999	1.1850	1.6412	2.9819
591866.00	418082.98	1.5706	1.1154	3.6592	4.0704	3.6704	3.9920	5.1225	1.4441	2.1035	1.9822	1.5999	1.1851	1.6413	2.9820
591867.31	418083.22	1.5707	1.1155	3.6593	4.0705	3.6705	3.9921	5.1226	1.4442	2.1036	1.9823	1.5999	1.1852	1.6414	2.9821
591868.00	418083.46	1.5708	1.1156	3.6594	4.0706	3.6706	3.9922	5.1227	1.4443	2.1037	1.9824	1.5999	1.1853	1.6415	2.9822
591869.31	418083.70	1.5709	1.1157	3.6595	4.0707	3.6707	3.9923	5.1228	1.4444	2.1038	1.9825	1.5999	1.1854	1.6416	2.9823
591870.00	418083.94	1.5710	1.1158	3.6596	4.0708	3.6708	3.9924	5.1229	1.4445	2.1039	1.9826	1.5999	1.1855	1.6417	2.9824
591871.31	418084.18	1.5711	1.1159	3.6597	4.0709	3.6709	3.9925	5.1230	1.4446	2.1040	1.9827	1.5999	1.1856	1.6418	2.9825
591872.00	418084.42	1.5712	1.1160	3.6598	4.0710	3.6710	3.9926	5.1231	1.4447	2.1041	1.9828	1.5999	1.1857	1.6419	2.9826
591873.31	418084.66	1.5713	1.1161	3.6599	4.0711	3.6711	3.9927	5.1232	1.4448	2.1042	1.9829	1.5999	1.1858	1.6420	2.9827
591874.00	418084.90	1.5714	1.1162	3.6600	4.0712	3.6712	3.9928	5.1233	1.4449	2.1043	1.9830	1.5999	1.1859	1.6421	2.9828
591875.31	418085.14	1.5715	1.1163	3.6601	4.0713	3.6713	3.9929	5.1234	1.4450	2.1044	1.9831	1.5999	1.1860	1.6422	2.9829
591876.00	418085.38	1.5716	1.1164	3.6602	4.0714	3.6714	3.9930	5.1235	1.4451	2.1045	1.9832	1.5999	1.1861	1.6423	2.9830
591877.31	418085.62	1.5717	1.1165	3.6603	4.0715	3.6715	3.9931	5.1236	1.4452	2.1046	1.9833	1.5999	1.1862	1.6424	2.9831
591878.00	418085.86	1.5718	1.1166	3.6604	4.0716	3.6716	3.9932	5.1237	1.4453	2.1047	1.9834	1.5999	1.1863	1.6425	2.9832
591879.31	418086.10	1.5719	1.1167	3.6605	4.0717	3.6717	3.9933	5.1238	1.4454	2.1048	1.9835	1.5999	1.1864	1.6426	2.9833
591880.00	418086.34	1.5720	1.1168	3.6606	4.0718	3.6718	3.9934	5.1239	1.4455	2.1049	1.9836	1.5999	1.1865	1.6427	2.9834
591881.31	418086.58	1.5721	1.1169	3.6607	4.0719	3.6719	3.9935	5.1240	1.4456	2.1050	1.9837	1.5999	1.1866	1.6428	2.9835
591882.00	418086.82	1.5722	1.1170	3.6608	4.0720	3.6720	3.9936	5.1241	1.4457	2.1051	1.9838	1.5999	1.1867	1.6429	2.9836
591883.31	418087.06	1.5723	1.1171	3.6609	4.0721	3.6721	3.9937	5.1242	1.4458	2.1052	1.9839	1.5999	1.1868	1.6430	2.9837
591884.00	418087.30	1.5724	1.1172	3.6610	4.0722	3.6722	3.9938	5.1243	1.4459	2.1053	1.9840	1.5999	1.1869	1.6431	2.9838
591885.31	418087.54	1.5725	1.1173	3.6611	4.0723	3.6723	3.9939	5.1244	1.4460	2.1054	1.9841	1.5999	1.1870	1.6432	2.9839
591886.00	418087.78	1.5726	1.1174	3.6612	4.0724	3.6724	3.9940	5.1245	1.4461	2.1055	1.9842	1.5999	1.1871	1.6433	2.9840
591887.31	418088.02	1.5727	1.1175	3.6613	4.0725	3.6725	3.9941	5.1246	1.4462	2.1056	1.9843	1.5999	1.1872	1.6434	2.9841
591888.00	418088.26	1.5728	1.1176	3.6614	4.0726	3.6726	3.9942	5.1247	1.4463	2.1057	1.9844	1.5999	1.1873	1.6435	2.9842
591889.31	418088.50	1.5729	1.1177	3.6615	4.0727	3.6727	3.9943	5.1248	1.4464	2.1058	1.9845	1.5999	1.1874	1.6436	2.9843
591890.00	418088.74	1.5730	1.1178	3.6616	4.0728	3.6728	3.9944	5.1249	1.4465	2.1059	1.9846	1.5999	1.1875	1.6437	2.9844
591891.31	418088.98	1.5731	1.1179	3.6617	4.0729	3.6729	3.9945	5.1250	1.4466	2.1060	1.9847	1.5999	1.1876	1.6438	2.9845
591892.00	418089.22	1.5732	1.1180	3.6618	4.0730	3.6730	3.9946	5.1251	1.4467	2.1061	1.9848	1.5999	1.1877	1.6439	2.9846
591893.31	418089.46	1.5733	1.1181	3.6619	4.0731	3.6731	3.9947	5.1252	1.4468	2.1062	1.9849	1.5999	1.1878	1.6440	2.9847
591894.00	418089.70	1.5734	1.1182	3.6620	4.0732	3.6732	3.9948	5.1253	1.4469	2.1063	1.9850	1.5999	1.1879	1.6441	2.9848

590501.75	4180677.46	1.906E-02	2.779E-02	1.278E-01	4.963E-02	4.271E-02	5.073E-02	4.286E-02	6.459E-06	1.193E-05	2.415E-04	2.420E-05	1.678E-05	2.687E-05	1.761E-05	1.4540E-04
590501.83	4180681.81	2.025E-02	2.497E-02	1.292E-01	5.135E-02	4.907E-02	5.388E-02	4.951E-02	6.861E-06	1.076E-05	2.461E-04	2.510E-05	1.966E-05	2.801E-05	2.035E-05	1.5555E-04
590509.41	4180880.90	2.071E-02	2.492E-02	1.285E-01	5.307E-02	5.027E-02	5.277E-02	4.966E-02	7.018E-06	1.072E-05	2.428E-04	2.588E-05	1.976E-05	2.795E-05	2.040E-05	1.5461E-04
590505.61	4180707.49	1.904E-02	2.684E-02	1.200E-01	5.095E-02	4.448E-02	5.194E-02	4.450E-02	6.453E-06	1.154E-05	2.491E-04	2.402E-05	1.746E-05	2.702E-05	1.838E-05	1.4746E-04
590473.40	4180662.13	1.906E-02	2.809E-02	1.268E-01	4.832E-02	4.151E-02	4.908E-02	4.161E-02	6.439E-06	1.208E-05	2.396E-04	2.355E-05	1.631E-05	2.674E-05	1.710E-05	1.4454E-04
590507.24	4180819.72	1.970E-02	2.507E-02	1.279E-01	5.262E-02	4.891E-02	5.208E-02	4.866E-02	6.676E-06	1.078E-05	2.446E-04	2.576E-05	1.922E-05	2.762E-05	1.999E-05	1.5488E-04
590507.19	4180721.37	1.906E-02	2.644E-02	1.264E-01	5.112E-02	4.488E-02	5.109E-02	4.481E-02	6.449E-06	1.117E-05	2.388E-04	2.495E-05	1.782E-05	2.706E-05	1.846E-05	1.4649E-04
590451.06	4180641.28	1.898E-02	2.857E-02	1.242E-01	4.707E-02	4.053E-02	4.899E-02	4.056E-02	6.432E-06	1.229E-05	2.366E-04	2.295E-05	1.599E-05	2.595E-05	1.667E-05	1.3884E-04
590576.73	4180648.81	1.970E-02	2.478E-02	1.205E-01	5.236E-02	4.933E-02	5.230E-02	4.885E-02	6.751E-06	1.060E-05	2.390E-04	2.564E-05	1.934E-05	2.710E-05	2.007E-05	1.4630E-04
590511.27	4180691.12	1.893E-02	2.717E-02	1.249E-01	4.974E-02	4.203E-02	5.047E-02	4.309E-02	6.411E-06	1.168E-05	2.360E-04	2.425E-05	1.687E-05	2.673E-05	1.770E-05	1.3971E-04
590606.20	4180771.90	2.021E-02	2.464E-02	1.248E-01	5.220E-02	4.968E-02	5.201E-02	4.968E-02	6.880E-06	1.060E-05	2.378E-04	2.562E-05	1.948E-05	2.760E-05	2.017E-05	1.4818E-04
590481.15	4180675.48	1.886E-02	2.756E-02	1.230E-01	4.841E-02	4.161E-02	4.956E-02	4.176E-02	6.392E-06	1.185E-05	2.324E-04	2.362E-05	1.636E-05	2.640E-05	1.716E-05	1.3614E-04
590631.26	4180805.47	1.942E-02	2.506E-02	1.244E-01	5.228E-02	4.793E-02	5.209E-02	4.774E-02	6.931E-06	1.078E-05	2.311E-04	2.549E-05	1.886E-05	2.758E-05	1.962E-05	1.4919E-04
590661.15	4180831.81	1.961E-02	2.464E-02	1.239E-01	5.202E-02	4.846E-02	5.174E-02	4.817E-02	6.646E-06	1.056E-05	2.362E-04	2.537E-05	1.906E-05	2.746E-05	1.979E-05	1.4931E-04
590582.99	4180864.90	1.991E-02	2.440E-02	1.232E-01	5.192E-02	4.897E-02	4.887E-02	4.844E-02	6.742E-06	1.049E-05	2.327E-04	2.532E-05	1.921E-05	2.713E-05	1.990E-05	1.4273E-04
590415.78	4180654.44	1.881E-02	2.802E-02	1.198E-01	4.712E-02	4.073E-02	4.894E-02	4.059E-02	6.378E-06	1.205E-05	2.281E-04	2.298E-05	1.593E-05	2.593E-05	1.668E-05	1.2460E-04
590460.50	4180660.60	1.866E-02	2.742E-02	1.199E-01	4.656E-02	4.060E-02	4.806E-02	4.060E-02	6.324E-06	1.180E-05	2.265E-04	2.298E-05	1.592E-05	2.585E-05	1.668E-05	1.2606E-04
590402.61	4180689.27	1.871E-02	2.706E-02	1.201E-01	4.682E-02	4.184E-02	4.970E-02	4.191E-02	6.347E-06	1.163E-05	2.268E-04	2.370E-05	1.644E-05	2.612E-05	1.725E-05	1.2814E-04
590650.10	4180811.81	1.941E-02	2.446E-02	1.238E-01	5.187E-02	4.706E-02	5.185E-02	4.706E-02	6.578E-06	1.093E-05	2.301E-04	2.516E-05	1.888E-05	2.722E-05	1.958E-05	1.3911E-04
590536.11	4180721.04	1.872E-02	2.613E-02	1.205E-01	4.897E-02	4.348E-02	5.003E-02	4.358E-02	6.344E-06	1.124E-05	2.277E-04	2.432E-05	1.708E-05	2.603E-05	1.791E-05	1.3712E-04
590569.78	4180893.90	1.961E-02	2.418E-02	1.236E-01	5.155E-02	4.819E-02	5.103E-02	4.786E-02	6.646E-06	1.040E-05	2.327E-04	2.546E-05	1.893E-05	2.703E-05	1.962E-05	1.3558E-04
590547.82	4180731.90	1.867E-02	2.578E-02	1.190E-01	4.996E-02	4.384E-02	4.997E-02	4.388E-02	6.373E-06	1.105E-05	2.248E-04	2.436E-05	1.728E-05	2.647E-05	1.803E-05	1.2840E-04
590504.07	4180781.06	1.891E-02	2.645E-02	1.175E-01	4.869E-02	4.204E-02	4.945E-02	4.235E-02	6.306E-06	1.137E-05	2.225E-04	2.374E-05	1.653E-05	2.616E-05	1.734E-05	1.2488E-04
590655.57	4180851.20	1.934E-02	2.402E-02	1.183E-01	5.091E-02	4.748E-02	5.095E-02	4.748E-02	6.554E-06	1.093E-05	2.236E-04	2.462E-05	1.866E-05	2.679E-05	1.939E-05	1.3611E-04
590425.89	4180812.27	1.904E-02	2.436E-02	1.181E-01	5.095E-02	4.673E-02	5.073E-02	4.673E-02	6.453E-06	1.048E-05	2.232E-04	2.484E-05	1.831E-05	2.676E-05	1.913E-05	1.2913E-04
590472.03	4180801.32	1.846E-02	2.674E-02	1.154E-01	4.731E-02	4.079E-02	4.808E-02	4.079E-02	6.263E-06	1.150E-05	2.181E-04	2.307E-05	1.598E-05	2.579E-05	1.676E-05	1.1916E-04
590443.16	4180841.90	1.913E-02	2.395E-02	1.162E-01	5.037E-02	4.693E-02	5.026E-02	4.693E-02	6.493E-06	1.030E-05	2.196E-04	2.466E-05	1.844E-05	2.662E-05	1.919E-05	1.2623E-04
590263.88	4180736.63	1.840E-02	2.545E-02	1.137E-01	4.891E-02	4.339E-02	4.956E-02	4.339E-02	6.238E-06	1.094E-05	2.149E-04	2.302E-05	1.674E-05	2.598E-05	1.754E-05	1.2161E-04
590630.15	4180814.90	1.892E-02	2.386E-02	1.141E-01	4.831E-02	4.131E-02	4.991E-02	4.131E-02	6.412E-06	1.024E-05	2.166E-04	2.447E-05	1.821E-05	2.643E-05	1.896E-05	1.2938E-04
590318.84	4180744.42	1.834E-02	2.501E-02	1.124E-01	4.889E-02	4.289E-02	4.891E-02	4.289E-02	6.212E-06	1.107E-05	2.153E-04	2.384E-05	1.686E-05	2.582E-05	1.764E-05	1.1710E-04
590518.52	4180811.07	1.875E-02	2.374E-02	1.151E-01	4.951E-02	4.166E-02	4.952E-02	4.166E-02	6.317E-06	1.021E-05	2.151E-04	2.426E-05	1.795E-05	2.623E-05	1.860E-05	1.3124E-04
590490.90	4180758.21	1.834E-02	2.472E-02	1.117E-01	4.904E-02	4.333E-02	4.901E-02	4.333E-02	6.311E-06	1.093E-05	2.110E-04	2.391E-05	1.709E-05	2.596E-05	1.768E-05	1.1255E-04
590529.05	4180751.93	1.876E-02	2.483E-02	1.104E-01	4.796E-02	4.330E-02	4.788E-02	4.330E-02	6.097E-06	1.047E-05	2.081E-04	2.330E-05	1.646E-05	2.536E-05	1.724E-05	1.2099E-04
590540.45	4180769.65	1.802E-02	2.409E-02	1.099E-01	4.800E-02	4.240E-02	4.801E-02	4.240E-02	6.107E-06	1.036E-05	2.001E-04	2.341E-05	1.666E-05	2.548E-05	1.741E-05	1.2044E-04

CONJUNT WJ
DEFINIT g/m³

Scenario 2

Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction

City of San Ramon—CityWalk Master Plan EIR

Scenario 2—Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2022	Total
End of Construction	1/1/2048	—
Number of Days	9,496	9,496
Number of Hours	227,904	227,904
Number of Construction Days	6,783	6,783
Number of Construction Hours (8 hours/day)	54,264	54,264
Correction factor to account for non-continuous exposure	4.2	—

CalEEMod

Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Run 3	2022	Bishop Ranch 1A—Phases 2-3	0.1000	0.1152	2022	Bishop Ranch 1A—Phases 2-3	0.0127	0.0279
Run 3	2023	Bishop Ranch 1A—Phases 2-3	0.0856	0.0856	2023	Bishop Ranch 1A—Phases 2-3	0.0121	0.0121
Run 3	2024	Bishop Ranch 1A—Phases 2-3	0.0756	0.0756	2024	Bishop Ranch 1A—Phases 2-3	0.0112	0.0112
Run 3	2025	Bishop Ranch 1A—Phases 2-3	0.0594	0.0594	2025	Bishop Ranch 1A—Phases 2-3	0.0092	0.0092
Run 3	2026	Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	2026	Bishop Ranch 1A—Phases 2-3	0.0000	0.0000
Run 4	2026	Phases 4-6 (Bishop Ranch 3A)	0.0729	0.0972	2026	Phases 4-6 (Bishop Ranch 3A)	0.0106	0.0349
Run 4	2027	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2027	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2028	Phases 4-6 (Bishop Ranch 3A)	0.0645	0.0645	2028	Phases 4-6 (Bishop Ranch 3A)	0.0102	0.0102
Run 4	2029	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2029	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2030	Phases 4-6 (Bishop Ranch 3A)	0.0193	0.0193	2030	Phases 4-6 (Bishop Ranch 3A)	0.0071	0.0071
Run 4	2031	Phases 4-6 (Bishop Ranch 3A)	0.0199	0.0199	2031	Phases 4-6 (Bishop Ranch 3A)	0.0064	0.0064
Run 4	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Run 5	2032	Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	2032	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Run 5	2033	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2033	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2034	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2034	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2035	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2035	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2036	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2036	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2037	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2037	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2038	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2038	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2039	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2039	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2040	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2040	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2041	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2041	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2042	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2042	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2043	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2043	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2044	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2044	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2045	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2045	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Run 5	2046	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2046	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2047	Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	2047	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Run 5	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
		Total	0.8458	1.0108		Total	0.1977	0.3626

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.3206	0.3358	0.0452	0.0604
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.3062	0.3305	0.0549	0.0792
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.8458	1.0108	0.1977	0.3626

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated	Unmitigated		Mitigated	Mitigated
	Onsite DPM (tons)*	Onsite PM2.5 (tons)*		Onsite DPM (tons)*	Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.3206	0.3358	Bishop Ranch 1A	0.0452	0.0604
Bishop Ranch 3A	0.3062	0.3305	Bishop Ranch 3A	0.0549	0.0792
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.8458	1.0108	Total	0.1977	0.3626

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	3.206E-01 tons	Total Mitigated DPM (On-site)	4.515E-02 tons
Average Emission	2.911E+05 grams 1.490E-03 grams/sec 1.490E-03 grams/m2-sec	Average Emission	4.100E+04 grams 2.099E-04 grams/sec 2.099E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.358E-01 tons	Total Mitigated PM2.5 (On-site)	6.035E-02 tons
Average Emission	3.049E+05 grams 1.561E-03 grams/sec 1.561E-03 grams/m2-sec	Average Emission	5.480E+04 grams 2.805E-04 grams/sec 2.805E-04 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	3.062E-01 tons	Total Mitigated DPM (On-site)	5.493E-02 tons
Average Emission	2.780E+05 grams 1.423E-03 grams/sec 1.423E-03 grams/m2-sec	Average Emission	4.988E+04 grams 2.553E-04 grams/sec 2.553E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.305E-01 tons	Total Mitigated PM2.5 (On-site)	7.923E-02 tons
Average Emission	3.001E+05 grams 1.536E-03 grams/sec 1.536E-03 grams/m2-sec	Average Emission	7.194E+04 grams 3.683E-04 grams/sec 3.683E-04 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	2.190E-01 tons	Total Mitigated DPM (On-site)	9.764E-02 tons
Average Emission	1.988E+05 grams 1.018E-03 grams/sec 1.018E-03 grams/m2-sec	Average Emission	8.866E+04 grams 4.538E-04 grams/sec 4.538E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.445E-01 tons	Total Mitigated PM2.5 (On-site)	2.230E-01 tons
Average Emission	3.128E+05 grams 1.601E-03 grams/sec 1.601E-03 grams/m2-sec	Average Emission	2.025E+05 grams 1.037E-03 grams/sec 1.037E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 2—Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction
 Construction Annual DPM Emission (PM2.5 Equivalent)

Annual Average Onsite DPM Rate - Bishop Ranch 1A (grams/m2/week)
 Annual Average Onsite DPM Rate - Bishop Ranch 2000 (grams/m2/week)
 Annual Average Onsite DPM Emission Rate - Road Segment 3 (grams/m2/week)
 Annual Average Onsite DPM Emission Rate - Road Segment 5 (grams/m2/week)
 Annual Average Onsite DPM Emission Rate - Road Segment 5 (grams/m2/week)

Unmitigated Concentrations

1.49E-03
 1.42E-03
 1.02E-03
 8.44E-06
 6.81E-06
 3.17E-06
 7.12E-06

Unmitigated DPM Concentrations			
Maximum DPM (µg/m³)	X	MIR	UTM
0.0568-02	591031-34	591031-34	4180334-89

X	Y	Onsite Bishop Ranch 1A		Onsite Bishop Ranch 2000		Onsite Road Segment 3		Onsite Road Segment 5		Onsite Bishop Ranch 1A		Onsite Bishop Ranch 2000		Onsite Road Segment 3		Onsite Road Segment 5		Total DPM (µg/m³)
		Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	Unit Emissions VALUES AVERAGED	
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	1.49E-03
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	1.42E-03
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	1.02E-03
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	8.44E-06
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	6.81E-06
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	3.17E-06
591031.34	4180334.89	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	7.12E-06

City of San Ramon—CityWalk Master Plan EIR

Scenario 2—Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction
 Construction Annual Total PM2.5 Emissions (PM2.5 t/yr)

Annual Average Onsite Total PM2.5 Emission Rate - Bishop Ranch 1A (grams/m2/yr): 1.54E-03
 Annual Average Onsite Total PM2.5 Emission Rate - Bishop Ranch 3A (grams/m2/yr): 1.54E-03
 Annual Average Onsite Total PM2.5 Emission Rate - Bishop Ranch 2000 (grams/m2/yr): 1.66E-03
 Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/m2/yr): 4.06E-04
 Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/m2/yr): 4.23E-04

Unmitigated Concentrations

1.54E-03
 1.54E-03
 1.66E-03
 4.06E-04
 4.23E-04

Unmitigated PM2.5 Total Concentrations			
Maximum PM2.5 (µg/m3)	X	MIR Y	UTM Z
7.5200E-02	4.0161E-14	4.8033E-04	

X	Y	Onsite Bishop Ranch 1A		Onsite Bishop Ranch 3A		Onsite Bishop Ranch 2000		Offsite-Road Segment 1		Offsite-Road Segment 2		Offsite-Road Segment 3		Offsite-Road Segment 4		Total OPM (µg/m3)
		Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	Unit Emissions VALUES AVERAGED AVERAGE CONC 7.5200E-02	
991631.34	4180334.49	0.19842	0.15421	35.79798	4.02117	5.07578	3.89827	4.81024	3.10824	8.33524	5.73822	2.02623	2.04623	2.12623	2.02623	6.65622
991621.34	4180334.49	0.20053	0.15632	34.86691	4.12518	5.12048	3.99217	4.91524	3.20924	8.43624	5.83622	2.12623	2.14623	2.22623	2.12623	6.75622
991551.34	4180334.49	0.16056	0.12769	34.50161	2.02704	1.90663	2.29226	2.51044	8.11524	8.11524	1.02123	1.02123	9.71524	1.04123	6.09622	
991591.34	4180334.49	0.18464	0.15207	33.79529	3.02028	3.02028	2.87803	2.87803	2.87803	2.87803	2.87803	2.87803	2.87803	2.87803	2.87803	6.12622
991611.34	4180334.49	0.21151	0.15356	33.72741	4.46984	5.74841	3.90778	3.90778	3.90778	3.90778	3.90778	3.90778	3.90778	3.90778	3.90778	6.41622
991711.34	4180334.49	0.17346	0.13728	33.14292	2.41551	2.91339	2.29848	2.29848	2.29848	2.29848	2.29848	2.29848	2.29848	2.29848	2.29848	5.89522
991601.34	4180334.49	0.19051	0.15659	32.96618	3.26857	3.86171	3.80522	3.80522	3.80522	3.80522	3.80522	3.80522	3.80522	3.80522	3.80522	6.16122
991541.34	4180334.49	0.15477	0.10664	32.42782	1.81795	1.70312	2.04117	2.04117	2.04117	2.04117	2.04117	2.04117	2.04117	2.04117	2.04117	5.65022
991651.34	4180334.49	0.19077	0.15079	32.15780	3.33388	4.29007	3.97665	3.97665	3.97665	3.97665	3.97665	3.97665	3.97665	3.97665	3.97665	6.16622
991661.34	4180334.49	0.1649	0.10839	31.79821	2.11893	2.52968	2.42232	2.42232	2.42232	2.42232	2.42232	2.42232	2.42232	2.42232	2.42232	5.64422
991811.34	4180334.49	0.17679	0.10802	31.62227	2.24424	3.00807	2.41203	2.41203	2.41203	2.41203	2.41203	2.41203	2.41203	2.41203	2.41203	5.88122
991621.34	4180334.49	0.16986	0.10756	30.10077	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	2.64635	5.73622
991591.34	4180334.49	0.18266	0.10844	30.77991	2.60543	3.25495	3.11719	3.11719	3.11719	3.11719	3.11719	3.11719	3.11719	3.11719	3.11719	5.76522
991551.34	4180334.49	0.13884	0.08829	30.46294	1.82027	2.11136	2.12294	2.12294	2.12294	2.12294	2.12294	2.12294	2.12294	2.12294	2.12294	5.34622
991631.34	4180334.49	0.20941	0.10705	30.13757	1.51168	1.44059	1.44025	1.44025	1.44025	1.44025	1.44025	1.44025	1.44025	1.44025	1.44025	5.69322
991571.34	4180334.49	0.18886	0.10756	30.00771	2.08683	2.56046	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	5.76822
991531.34	4180334.49	0.18886	0.10756	30.00771	2.08683	2.56046	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	2.46646	5.76822
991521.34	4180334.49	0.1944	0.10711	29.88046	1.94535	1.91273	1.94535	1.94535	1.94535	1.94535	1.94535	1.94535	1.94535	1.94535	1.94535	5.70422
991511.34	4180334.49	0.19518	0.10718	29.84984	1.94282	1.91020	1.94282	1.94282	1.94282	1.94282	1.94282	1.94282	1.94282	1.94282	1.94282	5.70172
991501.34	4180334.49	0.17336	0.10728	29.12656	2.79838	2.83039	2.79838	2.79838	2.79838	2.79838	2.79838	2.79838	2.79838	2.79838	2.79838	5.52422
991561.34	4180334.49	0.16233	0.10683	28.49821	1.98653	1.92822	1.98653	1.98653	1.98653	1.98653	1.98653	1.98653	1.98653	1.98653	1.98653	5.30722
991541.34	4180334.49	0.15282	0.10688	28.83765	1.67471	1.97312	1.59004	1.88263	2.38824	2.38824	2.38824	2.38824	2.38824	2.38824	2.38824	5.04522
991521.34	4180334.49	0.20128	0.10807	28.76559	2.88284	3.49734	2.77989	2.77989	2.77989	2.77989	2.77989	2.77989	2.77989	2.77989	2.77989	5.27122
991591.34	4180334.49	0.18129	0.10638	28.40319	2.29832	2.79646	2.18211	2.67411	2.18211	2.18211	2.18211	2.18211	2.18211	2.18211	2.18211	5.11522
991601.34	4180334.49	0.18744	0.10701	27.79176	2.10387	2.82376	2.26022	2.26022	2.26022	2.26022	2.26022	2.26022	2.26022	2.26022	2.26022	5.03122
991571.34	4180334.49	0.18687	0.10693	27.89064	1.97804	2.05284	1.82884	2.05284	2.05284	2.05284	2.05284	2.05284	2.05284	2.05284	2.05284	4.95622
991551.34	4180334.49	0.15691	0.10495	27.80149	1.70044	2.00078	1.93626	1.93626	1.93626	1.93626	1.93626	1.93626	1.93626	1.93626	1.93626	4.88022
991611.34	4180334.49	0.13939	0.10651	27.00057	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	2.04911	4.74822
991581.34	4180334.49	0.17409	0.10427	27.44444	1.98451	1.83938	1.83938	1.83938	1.83938	1.83938	1.83938	1.83938	1.83938	1.83938	1.83938	4.80822
991531.34	4180334.49	0.18717	0.10411	27.31131	1.53449	1.75957	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	4.73122
991621.34	4180334.49	0.19518	0.10544	26.96182	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	2.17995	4.71722
991561.34	4180334.49	0.16192	0.10376	26.94465	1.70076	2.0077	1.40334	1.98184	2.03824	2.03824	2.03824	2.03824	2.03824	2.03824	2.03824	4.74322
991501.34	4180334.49	0.18	0.10465	26.48451	3.88133	1.80418	1.79688	1.79688	1.79688	1.79688	1.79688	1.79688	1.79688	1.79688	1.79688	4.67722
991601.34	4180334.49	0.15205	0.10346	26.59933	1.53146	1.78146	1.71879	1.71879	1.71879	1.71879	1.71879	1.71879	1.71879	1.71879	1.71879	4.64722
991621.34	4180334.49	0.14865	0.10366	26.38988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	1.98988	4.62222
991571.34	4180334.49	0.16735	0.10427	26.307	1.74731	1.60555	1.99259	1.99259	1.99259	1.99259	1.99259	1.99259	1.99259	1.99259	1.99259	4.64722
991611.34	4180334.49	0.132	0.10483	26.03817	2.02143	1.99514	2.31949	2.31949	2.31949	2.31949	2.31949	2.31949	2.31949	2.31949	2.31949	4.67222
991551.34	4180334.49	0.15513	0.10487	26.04291	1.5468	1.5468	1.42767	1.42767	1.42767	1.42767	1.42767	1.42767	1.42767	1.42767	1.42767	4.64622
991581.34	4180334.49	0.17281	0.10582	25.89023	1.73235	1.60966	1.99779	1.99779	1.99779	1.99779	1.99779	1.99779	1.99779	1.99779	1.99779	4.67822
991591.34	4180334.49	0.17875	0.10583	25.88621	1.64481	1.64481	1.97131	1.97131	1.97131	1.97131	1.97131	1.97131	1.97131	1.97131	1.97131	4.69622
991561.34	4180334.49	0.16072	0.10489	25.56151	1.58489	1.82877	1.75818	1.75818	1.75818	1.75818	1.75818	1.75818	1.75818	1.75818	1.75818	4.68522
991521.34	4180334.49	0.14845	0.10485	25.49232	1.93555	1.80855	1.54527	1.54527	1.54527	1.54527	1.54527	1.54527	1.54527	1.54527	1.54527	4.64622
991601.34	4180334.49	0.18468	0.10451	25.33355	1.07467	1.07467	1.99639	1.99639	1.99639	1.99639	1.99639	1.99639	1.99639	1.99639	1.99639	4.69922
991571.34	4180334.49	0.16596	0.10921	25.2086	1.53874	1.91104	1.42081	1.75941	2.09824	2.09824	2.09824	2.09824	2.09824	2.09824	2.09824	4.64422
991541.34	4180334.49	0.14955	0.10753	25.16689	1.60939	1.60939	1.27442	1.27442	1.27442	1.27442	1.27442	1.27442	1.27442	1.27442	1.27442	4.58422
991611.34	4180334.49	0.19027	0.10966	25.07996	1.71752	1.71752	1.71439	1.71439	1.71439	1.71439	1.71439	1.71439	1.71439	1.71439	1.71439	4.65522
991581.34	4180334.49	0.17119	0.10948	24.96821	1.53128	1.89846	1.49887	1.49887	1.49887	1.49887	1.49887	1.49887	1.49887	1.49887	1.49887	4.58522
991551.34	4180334.49	0.15434														

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 2—Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.040568279	10	361	1	0.25	0.552
0-1	0.040568279	10	1,090	1	1.00	6.663
1-<2	0.040568279	10	1,090	1	1.00	6.663
2-<3	0.040568279	3	631	1	1.00	1.157
3-<4	0.040568279	3	631	1	1.00	1.157
4-<5	0.040568279	3	631	1	1.00	1.157
5-<6	0.040568279	3	631	1	1.00	1.157
6-<7	0.040568279	3	631	1	1.00	1.157
7-<8	0.040568279	3	631	1	1.00	1.157
8-<9	0.040568279	3	631	1	1.00	1.157
9-<10	0.040568279	3	572	1	1.00	1.049
10-<11	0.040568279	3	572	1	1.00	1.049
11-<12	0.040568279	3	572	1	1.00	1.049
12-<13	0.040568279	3	572	1	1.00	1.049
13-<14	0.040568279	3	572	1	1.00	1.049
14-<15	0.040568279	3	572	1	1.00	1.049
15-<16	0.040568279	3	572	1	1.00	1.049
16-<17	0.040568279	1	261	0.73	1.00	0.116
17-<18	0.040568279	1	261	0.73	1.00	0.116
18-<19	0.040568279	1	261	0.73	1.00	0.116
19-<20	0.040568279	1	261	0.73	1.00	0.116
20-<21	0.040568279	1	261	0.73	1.00	0.116
21-<22	0.040568279	1	261	0.73	1.00	0.116
22-<23	0.040568279	1	261	0.73	1.00	0.116
23-<24	0.040568279	1	261	0.73	1.00	0.116
24-<25	0.040568279	1	261	0.73	1.00	0.116
25-<26	0.040568279	1	261	0.73	0.77	0.089
Total						30.46

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.017894085	10	361	1	0.25	0.243
0-1	0.017894085	10	1,090	1	1.00	2.939
1-<2	0.017894085	10	1,090	1	1.00	2.939
2-<3	0.017894085	3	631	1	1.00	0.510
3-<4	0.017894085	3	631	1	1.00	0.510
4-<5	0.017894085	3	631	1	1.00	0.510
5-<6	0.017894085	3	631	1	1.00	0.510
6-<7	0.017894085	3	631	1	1.00	0.510
7-<8	0.017894085	3	631	1	1.00	0.510
8-<9	0.017894085	3	631	1	1.00	0.510
9-<10	0.017894085	3	572	1	1.00	0.463
10-<11	0.017894085	3	572	1	1.00	0.463
11-<12	0.017894085	3	572	1	1.00	0.463
12-<13	0.017894085	3	572	1	1.00	0.463
13-<14	0.017894085	3	572	1	1.00	0.463
14-<15	0.017894085	3	572	1	1.00	0.463
15-<16	0.017894085	3	572	1	1.00	0.463
16-<17	0.017894085	1	261	0.73	1.00	0.051
17-<18	0.017894085	1	261	0.73	1.00	0.051
18-<19	0.017894085	1	261	0.73	1.00	0.051
19-<20	0.017894085	1	261	0.73	1.00	0.051
20-<21	0.017894085	1	261	0.73	1.00	0.051
21-<22	0.017894085	1	261	0.73	1.00	0.051
22-<23	0.017894085	1	261	0.73	1.00	0.051
23-<24	0.017894085	1	261	0.73	1.00	0.051
24-<25	0.017894085	1	261	0.73	1.00	0.051
25-<26	0.017894085	1	261	0.73	0.77	0.039
Total						13.44

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.040568279	3	631	1	7.00	8.1
9 to 16	0.040568279	3	572	1	7.00	7.3
>16	0.040568279	1	261	0.73	12.02	1.4
Total						16.84

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.017894085	3	631	1	7.00	3.6
9 to 16	0.017894085	3	572	1	7.00	3.2
>16	0.017894085	1	261	0.73	12.02	0.6
Total						7.43

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.040568279	1	261	0.73	26.02	3.0
Total						3.03

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.017894085	1	261	0.73	26.02	1.3
Total						1.34

City of San Ramon—CityWalk Master Plan EIR

Scenario 2—Proposed Phase 1 On-site Receptors Exposed to Phases 2-14 Construction
Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0406	0.0406	0.00811

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591631.34	4180334.89	0.0752	0.0752

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0179	0.0179	0.00358

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591631.34	4180334.89	0.0525	0.0525

Scenario 3

Proposed Phases 1 and 2 On-site Receptors Exposed to Construction Phases 3-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 3—Proposed Phases 1 and 2 On-site Receptors Exposed to Construction Phases 3-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2024	Total
End of Construction	1/1/2048	—
Number of Days	8,766	8,766
Number of Hours	210,384	210,384
Number of Construction Days	6,263	6,263
Number of Construction Hours (8 hours/day)	50,104	50,104
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Bishop Ranch 1A—Phase 3	0.0200	0.0230	Bishop Ranch 1A—Phase 3	0.0025	0.0056
Bishop Ranch 1A—Phase 3	0.0171	0.0171	Bishop Ranch 1A—Phase 3	0.0024	0.0024
Bishop Ranch 1A—Phase 3	0.0151	0.0151	Bishop Ranch 1A—Phase 3	0.0022	0.0022
Bishop Ranch 1A—Phase 3	0.0119	0.0119	Bishop Ranch 1A—Phase 3	0.0018	0.0018
Bishop Ranch 1A—Phase 3	0.0000	0.0000	Bishop Ranch 1A—Phase 3	0.0000	0.0000
Phases 4-6 (Bishop Ranch 3A)	0.0729	0.0972	Phases 4-6 (Bishop Ranch 3A)	0.0106	0.0349
Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Phases 4-6 (Bishop Ranch 3A)	0.0645	0.0645	Phases 4-6 (Bishop Ranch 3A)	0.0102	0.0102
Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Phases 4-6 (Bishop Ranch 3A)	0.0193	0.0193	Phases 4-6 (Bishop Ranch 3A)	0.0071	0.0071
Phases 4-6 (Bishop Ranch 3A)	0.0199	0.0199	Phases 4-6 (Bishop Ranch 3A)	0.0064	0.0064
Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.5893	0.7421	Total	0.1616	0.3143

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0641	0.0672	0.0090	0.0121
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.3062	0.3305	0.0549	0.0792
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.5893	0.7421	0.1616	0.3143

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0641	0.0672	Bishop Ranch 1A	0.0090	0.0121
Bishop Ranch 3A	0.3062	0.3305	Bishop Ranch 3A	0.0549	0.0792
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.5893	0.7421	Total	0.1616	0.3143

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	6.413E-02 tons	Total Mitigated DPM (On-site)	9.030E-03 tons
Average Emission	5.823E+04 grams 3.228E-04 grams/sec 3.228E-04 grams/m2-sec	Average Emission	8.199E+03 grams 4.546E-05 grams/sec 4.546E-05 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	6.717E-02 tons	Total Mitigated PM2.5 (On-site)	1.207E-02 tons
Average Emission	6.099E+04 grams 3.381E-04 grams/sec 3.381E-04 grams/m2-sec	Average Emission	1.096E+04 grams 6.076E-05 grams/sec 6.076E-05 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	3.062E-01 tons	Total Mitigated DPM (On-site)	5.493E-02 tons
Average Emission	2.780E+05 grams 1.541E-03 grams/sec 1.541E-03 grams/m2-sec	Average Emission	4.988E+04 grams 2.765E-04 grams/sec 2.765E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.305E-01 tons	Total Mitigated PM2.5 (On-site)	7.923E-02 tons
Average Emission	3.001E+05 grams 1.664E-03 grams/sec 1.664E-03 grams/m2-sec	Average Emission	7.194E+04 grams 3.988E-04 grams/sec 3.988E-04 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	2.190E-01 tons	Total Mitigated DPM (On-site)	9.764E-02 tons
Average Emission	1.988E+05 grams 1.102E-03 grams/sec 1.102E-03 grams/m2-sec	Average Emission	8.866E+04 grams 4.915E-04 grams/sec 4.915E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.445E-01 tons	Total Mitigated PM2.5 (On-site)	2.230E-01 tons
Average Emission	3.128E+05 grams 1.734E-03 grams/sec 1.734E-03 grams/m2-sec	Average Emission	2.025E+05 grams 1.123E-03 grams/sec 1.123E-03 grams/m2-sec

Cancer Risk Calculations Using OEHA/BAAQMD Cancer Risk Assumptions

City of San Ramon—CityWalk Master Plan EIR

Scenario 3—Proposed Phases 1 and 2 On-site Receptors Exposed to Construction Phases 3-14

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 591992.8 4180000.52

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
3rd Trimester	0.074867579	10	361	1	0.25	1.018
0-1	0.074867579	10	1,090	1	1.00	12.297
1-<2	0.074867579	10	1,090	1	1.00	12.297
2-<3	0.074867579	3	631	1	1.00	2.136
3-<4	0.074867579	3	631	1	1.00	2.136
4-<5	0.074867579	3	631	1	1.00	2.136
5-<6	0.074867579	3	631	1	1.00	2.136
6-<7	0.074867579	3	631	1	1.00	2.136
7-<8	0.074867579	3	631	1	1.00	2.136
8-<9	0.074867579	3	631	1	1.00	2.136
9-<10	0.074867579	3	572	1	1.00	1.936
10-<11	0.074867579	3	572	1	1.00	1.936
11-<12	0.074867579	3	572	1	1.00	1.936
12-<13	0.074867579	3	572	1	1.00	1.936
13-<14	0.074867579	3	572	1	1.00	1.936
14-<15	0.074867579	3	572	1	1.00	1.936
15-<16	0.074867579	3	572	1	1.00	1.936
16-<17	0.074867579	1	261	0.73	1.00	0.215
17-<18	0.074867579	1	261	0.73	1.00	0.215
18-<19	0.074867579	1	261	0.73	1.00	0.215
19-<20	0.074867579	1	261	0.73	1.00	0.215
20-<21	0.074867579	1	261	0.73	1.00	0.215
21-<22	0.074867579	1	261	0.73	1.00	0.215
22-<23	0.074867579	1	261	0.73	1.00	0.215
23-<24	0.074867579	1	261	0.73	0.77	0.165
Total						55.78

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
3rd Trimester	0.019336563	10	361	1	0.25	0.263
0-1	0.019336563	10	1,090	1	1.00	3.176
1-<2	0.019336563	10	1,090	1	1.00	3.176
2-<3	0.019336563	3	631	1	1.00	0.552
3-<4	0.019336563	3	631	1	1.00	0.552
4-<5	0.019336563	3	631	1	1.00	0.552
5-<6	0.019336563	3	631	1	1.00	0.552
6-<7	0.019336563	3	631	1	1.00	0.552
7-<8	0.019336563	3	631	1	1.00	0.552
8-<9	0.019336563	3	631	1	1.00	0.552
9-<10	0.019336563	3	572	1	1.00	0.500
10-<11	0.019336563	3	572	1	1.00	0.500
11-<12	0.019336563	3	572	1	1.00	0.500
12-<13	0.019336563	3	572	1	1.00	0.500
13-<14	0.019336563	3	572	1	1.00	0.500
14-<15	0.019336563	3	572	1	1.00	0.500
15-<16	0.019336563	3	572	1	1.00	0.500
16-<17	0.019336563	1	261	0.73	1.00	0.056
17-<18	0.019336563	1	261	0.73	1.00	0.056
18-<19	0.019336563	1	261	0.73	1.00	0.056
19-<20	0.019336563	1	261	0.73	1.00	0.056
20-<21	0.019336563	1	261	0.73	1.00	0.056
21-<22	0.019336563	1	261	0.73	1.00	0.056
22-<23	0.019336563	1	261	0.73	1.00	0.056
23-<24	0.019336563	1	261	0.73	0.77	0.043
Total						14.41

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 591992.8 4180000.52

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
2 to 9	0.074867579	3	631	1	7.00	14.9
9 to 16	0.074867579	3	572	1	7.00	13.6
>16	0.074867579	1	261	0.73	10.02	2.2
Total						30.65

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
2 to 9	0.019336563	3	631	1	7.00	3.9
9 to 16	0.019336563	3	572	1	7.00	3.5
>16	0.019336563	1	261	0.73	10.02	0.6
Total						7.92

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 591992.8 4180000.52

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
>16	0.074867579	1	261	0.73	24.02	5.2
Total						5.16

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum			Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)			
>16	0.019336563	1	261	0.73	24.02	1.3
Total						1.33

City of San Ramon—CityWalk Master Plan EIR

Scenario 3—Proposed Phases 1 and 2 On-site Receptors Exposed to Construction Phases 3-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591992.8	4180000.52	0.0749	0.0749	0.01497

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591992.8	4180000.52	0.0967	0.0967

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0193	0.0193	0.00387

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591631.34	4180334.89	0.0566	0.0566

Scenario 4

Proposed Phases 1-3 On-site Receptors Exposed to Construction Phases 4-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 4—Proposed Phases 1-3 On-site Receptors Exposed to Construction Phases 4-14

Estimation of Annual Onsite Construction Emissions

Start of Construction	1/1/2026	Total
End of Construction	1/1/2048	—
Number of Days	8,035	8,035
Number of Hours	192,840	192,840
Number of Construction Days	5,740	5,740
Number of Construction Hours (8 hours/day)	45,920	45,920
Correction factor to account for non-continuous exposure	4.2	—

CalEEMod

Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Run 4	2026	Phases 4-6 (Bishop Ranch 3A)	0.0729	0.0972	2026	Phases 4-6 (Bishop Ranch 3A)	0.0106	0.0349
Run 4	2027	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2027	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2028	Phases 4-6 (Bishop Ranch 3A)	0.0645	0.0645	2028	Phases 4-6 (Bishop Ranch 3A)	0.0102	0.0102
Run 4	2029	Phases 4-6 (Bishop Ranch 3A)	0.0648	0.0648	2029	Phases 4-6 (Bishop Ranch 3A)	0.0103	0.0103
Run 4	2030	Phases 4-6 (Bishop Ranch 3A)	0.0193	0.0193	2030	Phases 4-6 (Bishop Ranch 3A)	0.0071	0.0071
Run 4	2031	Phases 4-6 (Bishop Ranch 3A)	0.0199	0.0199	2031	Phases 4-6 (Bishop Ranch 3A)	0.0064	0.0064
Run 4	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	2032	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Run 5	2032	Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	2032	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Run 5	2033	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2033	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2034	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2034	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2035	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2035	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2036	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2036	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2037	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2037	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2038	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2038	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2039	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2039	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2040	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2040	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2041	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2041	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2042	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2042	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2043	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2043	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2044	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2044	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2045	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2045	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Run 5	2046	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2046	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2047	Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	2047	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Run 5	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
		Total	0.5252	0.6750		Total	0.1526	0.3023

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.3062	0.3305	0.0549	0.0792
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.5252	0.6750	0.1526	0.3023

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.3062	0.3305	Bishop Ranch 3A	0.0549	0.0792
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.5252	0.6750	Total	0.1526	0.3023

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

3.062E-01 tons

Average Emission

2.780E+05 grams
1.682E-03 grams/sec
1.682E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

5.493E-02 tons

Average Emission

4.988E+04 grams
3.017E-04 grams/sec
3.017E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

3.305E-01 tons

Average Emission

3.001E+05 grams
1.815E-03 grams/sec
1.815E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

7.923E-02 tons

Average Emission

7.194E+04 grams
4.352E-04 grams/sec
4.352E-04 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

2.190E-01 tons

Average Emission

1.988E+05 grams
1.203E-03 grams/sec
1.203E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

9.764E-02 tons

Average Emission

8.866E+04 grams
5.363E-04 grams/sec
5.363E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

3.445E-01 tons

Average Emission

3.128E+05 grams
1.892E-03 grams/sec
1.892E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

2.230E-01 tons

Average Emission

2.025E+05 grams
1.225E-03 grams/sec
1.225E-03 grams/m2-sec

590203.6	4179944.01	0	3.07628	8.35997	3.54311	4.30351	3.77182	4.53667	0.000+00	5.178-03	1.138-02	3.396-05	3.332-05	3.516-05	3.639-05	1.6074E-02
590203.6	4179954.01	0	3.74602	8.65388	3.93204	3.70821	3.2191	3.85171	0.000+00	6.338-03	1.994-02	3.938-05	3.262-05	3.338-05	3.126-05	1.6317E-02
590203.6	4179964.01	0	4.31304	8.04394	2.65732	3.20716	2.76357	3.39712	0.000+00	7.236-03	9.678-03	3.546-05	2.478-05	2.878-05	2.639-05	1.7667E-02
590203.6	4179974.01	0	3.14724	9.02363	3.34624	4.05841	3.54924	4.25823	0.000+00	5.295-03	1.091-02	3.308-05	3.135-05	3.395-05	3.434-05	1.6395E-02
590203.6	4179984.01	0	3.78177	8.37171	3.51033	3.04306	3.63479	0.000+00	6.385-03	1.031-02	2.788-05	2.714-05	2.831-05	2.931-05	1.6355E-02	
590203.6	4179994.01	0	4.3234	7.80338	2.52825	3.04762	2.02344	3.12629	0.000+00	7.278-03	9.336-03	2.426-05	2.336-05	2.738-05	2.521-05	1.6254E-02
590204.6	4179944.01	0	3.21209	8.72138	3.16627	3.83468	3.34697	4.02679	0.000+00	5.496-03	1.056-02	3.138-05	2.962-05	3.488-05	3.133-05	1.6219E-02
590207.6	4179954.01	0	3.81318	8.11564	2.75688	3.32874	2.88218	3.43713	0.000+00	6.418-03	9.778-03	2.846-05	2.578-05	3.008-05	2.772-05	1.6238E-02
590203.6	4179934.01	0	2.65339	9.07537	3.43796	4.17028	3.66931	4.40679	0.000+00	6.478-03	1.099-02	3.296-05	3.228-05	3.511-05	3.154-05	1.5330E-02
590203.6	4179954.01	0	3.83148	7.88066	2.62198	3.16181	2.73413	3.26657	0.000+00	6.446-03	9.488-03	3.511-05	2.448-05	2.808-05	2.626-05	1.6026E-02
590203.6	4179944.01	0	3.24095	8.44181	3.03125	3.02981	3.18774	3.77674	0.000+00	5.499-03	1.021-02	2.871-05	2.889-05	3.078-05	3.047-05	1.5784E-02
590209.6	4179954.01	0	3.84101	7.65931	2.49716	3.07571	3.97964	0.000+00	6.466-03	9.218-03	3.286-05	2.331-05	2.706-05	2.428-05	1.5747E-02	
590209.6	4179944.01	0	3.31487	8.1302	2.8495	3.4417	2.99431	3.57113	0.000+00	5.583-03	9.848-03	2.738-05	2.658-05	3.111-05	2.830-05	1.5327E-02
590203.6	4179944.01	0	2.72683	8.76112	3.25022	3.04326	3.49388	4.16441	0.000+00	4.936-03	1.056-02	3.128-05	3.048-05	3.608-05	3.184-05	1.5262E-02
590207.6	4179944.01	0	3.35452	7.93609	3.24845	2.70959	3.24387	3.38139	0.000+00	5.648-03	9.541-03	2.596-05	2.528-05	2.934-05	2.727-05	1.5224E-02
590203.6	4179954.01	0	3.86665	7.44508	2.38139	2.86454	2.47288	2.93773	0.000+00	6.448-03	8.951-03	3.288-05	2.211-05	2.371-05	2.369-05	1.5698E-02
590204.6	4179934.01	0	2.70283	8.48188	3.06881	3.73142	3.26977	3.90997	0.000+00	4.705-03	1.026-02	2.951-05	2.885-05	3.408-05	3.113-05	1.5024E-02
590203.6	4179944.01	0	3.38077	7.70893	2.58041	3.10866	2.69733	3.29238	0.000+00	5.702-03	9.271-03	2.476-05	2.408-05	2.808-05	2.587-05	1.5070E-02
590203.6	4179934.01	0	2.82385	8.22023	3.93177	3.5441	3.99026	3.69449	0.000+00	4.806-03	9.896-03	3.818-05	2.738-05	3.321-05	3.978-05	1.4902E-02
590209.6	4179944.01	0	3.4102	7.49534	2.46054	2.96056	2.5658	3.04349	0.000+00	5.745-03	9.021-03	3.252-05	2.288-05	2.678-05	2.438-05	1.4488E-02
590203.6	4179934.01	0	2.90445	7.93145	3.78854	3.3643	2.93445	3.40345	0.000+00	4.892-03	9.598-03	3.676-05	3.692-05	3.934-05	2.821-05	1.4598E-02
590203.6	4179924.01	0	2.38979	8.49752	3.15618	3.81847	3.35763	4.02224	0.000+00	3.936-03	1.031-02	3.028-05	2.932-05	3.498-05	3.246-05	1.4332E-02
590203.6	4179944.01	0	3.44488	7.29395	2.34809	2.44412	2.89922	0.000+00	5.767-03	8.775-03	2.251-05	2.185-05	2.541-05	2.338-05	1.4210E-02	
590207.6	4179934.01	0	2.9533	7.74411	2.65593	3.20317	2.78948	3.16167	0.000+00	4.978-03	9.311-03	3.546-05	2.478-05	2.906-05	2.675-05	1.4287E-02
590204.6	4179924.01	0	2.43488	8.23472	3.00021	3.18182	3.63471	3.80189	0.000+00	4.102-03	9.908-03	2.878-05	2.868-05	3.318-05	3.068-05	1.4119E-02
590203.6	4179934.01	0	2.99364	7.52928	3.133	3.0462	3.63351	3.15021	0.000+00	5.045-03	9.068-03	3.428-05	2.382-05	2.768-05	2.545-05	1.4115E-02
590203.6	4179924.01	0	2.49566	7.98964	2.85564	3.4454	3.02973	3.60313	0.000+00	4.208-03	9.611-03	2.738-05	2.662-05	3.148-05	2.908-05	1.3921E-02
590209.6	4179934.01	0	3.03859	7.23386	2.41862	2.90966	2.53766	2.9371	0.000+00	5.026-03	8.811-03	3.211-05	2.741-05	2.831-05	2.471-05	1.3999E-02
590203.6	4179924.01	0	2.55138	7.76035	2.72141	3.27915	2.86999	3.41465	0.000+00	4.296-03	9.388-03	2.606-05	2.538-05	2.988-05	2.754-05	1.3733E-02
590203.6	4179914.01	0	2.01014	8.21104	3.05142	3.08954	3.4409	3.89791	0.000+00	3.448-03	9.888-03	2.921-05	2.848-05	3.178-05	2.616-05	1.3681E-02
590203.6	4179934.01	0	3.0521	7.13564	2.31201	2.77546	2.41093	2.8551	0.000+00	5.026-03	8.811-03	3.211-05	2.741-05	2.831-05	2.471-05	1.3607E-02
590207.6	4179924.01	0	2.60217	7.54409	2.99616	3.12473	2.7314	3.24375	0.000+00	4.388-03	9.071-03	2.412-05	2.412-05	2.948-05	2.616-05	1.3514E-02
590204.6	4179914.01	0	3.12887	7.97909	3.90783	3.0079	3.08467	3.64613	0.000+00	3.588-03	9.603-03	2.786-05	2.714-05	3.111-05	2.971-05	1.3292E-02
590203.6	4179924.01	0	2.64728	7.34285	2.4803	2.98111	2.60275	3.04897	0.000+00	4.458-03	8.811-03	2.378-05	2.308-05	2.718-05	2.498-05	1.3182E-02
590203.6	4179914.01	0	2.1879	7.75214	2.77396	3.34159	2.73495	3.49702	0.000+00	3.168-03	9.311-03	2.651-05	2.581-05	3.016-05	2.826-05	1.3114E-02
590209.6	4179924.01	0	2.68835	7.15194	2.84231	2.48124	2.37178	2.91087	0.000+00	4.601-03	8.601-03	2.271-05	2.208-05	2.511-05	2.171-05	1.3024E-02
590203.6	4179914.01	0	2.24387	7.53975	2.649	3.18735	2.79578	3.33378	0.000+00	3.178-03	9.071-03	2.346-05	2.468-05	2.918-05	2.602-05	1.2947E-02
590207.6	4179924.01	0	2.29545	7.33962	3.33211	3.04833	2.66206	3.16184	0.000+00	3.886-03	8.811-03	2.428-05	2.385-05	2.778-05	2.515-05	1.2798E-02
590204.6	4179904.01	0	1.86546	7.7152	2.82085	3.38524	2.98934	3.53923	0.000+00	3.148-03	9.281-03	2.696-05	2.613-05	3.008-05	2.978-05	1.2531E-02
590203.6	4179904.01	0	1.92382	7.26841	2.68369	3.23277	2.84238	3.34843	0.000+00	3.232-03	9.091-03	3.176-05	2.492-05	2.963-05	2.712-05	1.2371E-02

CONCUNIT ug/
DEPUNIT g/m³

m³

2

592023.6	4179944.01	0	3.07608	9.35997	3.54311	4.30351	3.77382	4.33667	0.008-03	3.588-03	1.776-02	2.026-03	2.006-03	2.376-03	2.226-03	3.19292-02
592023.6	4179944.01	0	3.14602	8.65388	3.98304	3.70921	3.81577	4.68679	0.008-03	6.896-03	3.666-02	1.776-03	1.738-03	2.026-03	1.876-03	3.05662-02
592023.6	4179944.01	0	4.13304	8.84394	2.63732	2.76357	3.29712	3.29712	0.008-03	7.876-03	1.526-02	1.546-03	1.546-03	1.496-03	1.736-03	2.84642-02
592023.6	4179944.01	0	3.14724	9.02853	3.34624	4.03841	3.54614	4.25223	0.008-03	5.736-03	1.716-02	1.836-03	1.896-03	2.226-03	2.056-03	3.03622-02
592023.6	4179944.01	0	3.93777	2.90347	3.51033	3.04306	3.63479	3.006-03	0.006-03	6.876-03	1.586-02	1.646-03	1.616-03	1.916-03	1.776-03	2.97622-02
592023.6	4179944.01	0	4.3236	7.80938	2.52825	3.06742	2.62244	3.16229	0.008-03	7.862-03	1.486-02	1.466-03	1.426-03	1.656-03	1.526-03	2.86762-02
592023.6	4179944.01	0	3.22099	8.7338	3.16257	3.83668	4.00679	3.88257	0.008-03	5.866-03	1.656-02	1.836-03	1.706-03	2.106-03	1.906-03	3.00622-02
592023.6	4179944.01	0	3.8118	8.11364	2.75588	3.32874	2.88218	3.40713	0.008-03	6.932-03	1.546-02	1.506-03	1.506-03	1.516-03	1.816-03	2.87622-02
592023.6	4179944.01	0	2.65539	9.07527	4.13796	3.66691	4.40679	3.66691	0.008-03	4.822-03	1.726-02	1.906-03	1.846-03	2.306-03	2.156-03	3.03762-02
592023.6	4179944.01	0	3.81348	7.88066	2.62198	3.16181	3.25637	3.16181	0.008-03	6.962-03	1.496-02	1.516-03	1.476-03	1.726-03	1.596-03	2.81162-02
592023.6	4179944.01	0	3.28099	8.49393	3.08125	3.62983	3.17739	3.77876	0.008-03	5.838-03	1.606-02	1.606-03	1.606-03	1.986-03	1.866-03	2.91262-02
592023.6	4179944.01	0	3.84101	7.95121	2.49726	3.02654	2.87074	3.02654	0.008-03	6.976-03	1.456-02	1.446-03	1.406-03	1.616-03	1.506-03	2.74662-02
592023.6	4179944.01	0	3.31487	8.1382	2.84495	3.44117	2.99313	3.37113	0.008-03	6.026-03	1.556-02	1.606-03	1.606-03	1.886-03	1.746-03	2.83662-02
592023.6	4179944.01	0	3.72683	8.78822	3.25022	3.84336	4.14641	4.96243	0.008-03	5.666-03	1.666-02	1.846-03	1.846-03	2.176-03	2.046-03	3.04462-02
592023.6	4179944.01	0	3.15452	7.93809	2.30959	3.28845	2.83887	3.38139	0.008-03	6.096-03	1.506-02	1.576-03	1.526-03	1.736-03	1.616-03	2.76262-02
592023.6	4179944.01	0	3.84063	7.44088	2.38139	2.86464	2.10779	3.10779	0.008-03	6.976-03	1.416-02	1.386-03	1.336-03	1.556-03	1.436-03	2.67862-02
592043.6	4179944.01	0	2.79283	8.48388	3.08681	3.26077	3.90097	3.90097	0.008-03	5.076-03	1.616-02	1.786-03	1.746-03	2.056-03	1.906-03	2.86062-02
592023.6	4179944.01	0	3.18677	7.70289	2.58041	3.10866	2.69793	3.20758	0.008-03	6.156-03	1.466-02	1.466-03	1.466-03	1.696-03	1.566-03	2.69962-02
592023.6	4179944.01	0	2.86285	8.22023	3.81377	3.56118	3.89669	3.89669	0.008-03	5.386-03	1.566-02	1.696-03	1.656-03	1.946-03	1.806-03	2.78262-02
592023.6	4179944.01	0	3.4102	7.49634	2.48094	2.90206	2.5668	3.04749	0.008-03	6.196-03	1.426-02	1.426-03	1.386-03	1.616-03	1.486-03	2.62762-02
592023.6	4179944.01	0	2.90645	7.93415	2.33884	3.3644	2.93645	3.40745	0.008-03	5.286-03	1.516-02	1.616-03	1.576-03	1.846-03	1.736-03	2.70962-02
592023.6	4179944.01	0	2.38979	8.49752	3.15618	3.81847	4.0224	3.35763	0.008-03	4.306-03	1.616-02	1.826-03	1.786-03	2.116-03	1.966-03	2.80562-02
592023.6	4179944.01	0	3.43488	7.29995	2.34909	2.82299	2.44412	2.89962	0.008-03	6.226-03	1.386-02	1.366-03	1.316-03	1.536-03	1.416-03	2.56562-02
592073.6	4179944.01	0	2.9533	7.24421	2.65593	3.20017	2.79848	3.3167	0.008-03	5.366-03	1.476-02	1.536-03	1.496-03	1.756-03	1.636-03	2.64662-02
592043.6	4179944.01	0	2.43488	8.23472	3.00021	3.62472	3.18882	3.80288	0.008-03	4.446-03	1.566-02	1.736-03	1.696-03	2.026-03	1.876-03	2.72762-02
592023.6	4179944.01	0	2.89864	7.53028	2.131	3.0482	2.62651	3.13052	0.008-03	5.486-03	1.426-02	1.466-03	1.426-03	1.656-03	1.536-03	2.57862-02
592023.6	4179944.01	0	2.49566	7.89864	2.85564	3.4454	3.03773	3.60013	0.008-03	4.536-03	1.516-02	1.606-03	1.606-03	1.896-03	1.736-03	2.65562-02
592023.6	4179944.01	0	3.02659	7.33688	2.43623	3.06966	2.32766	2.9717	0.008-03	5.496-03	1.396-02	1.406-03	1.356-03	1.596-03	1.466-03	2.51562-02
592063.6	4179944.01	0	2.51538	7.76039	2.72141	3.27915	2.86999	3.41465	0.008-03	4.636-03	1.476-02	1.576-03	1.536-03	1.806-03	1.646-03	2.58862-02
592033.6	4179944.01	0	2.8664	8.21044	3.08142	3.44095	3.88791	3.88791	0.008-03	3.746-03	1.566-02	1.746-03	1.706-03	2.046-03	1.896-03	2.87462-02
592023.6	4179944.01	0	3.02659	7.33688	2.43623	3.06966	2.32766	2.9717	0.008-03	5.496-03	1.396-02	1.406-03	1.356-03	1.596-03	1.466-03	2.51562-02
592073.6	4179944.01	0	2.60217	7.94909	2.59966	3.12473	2.74164	3.24375	0.008-03	4.726-03	1.436-02	1.506-03	1.456-03	1.716-03	1.586-03	2.52962-02
592043.6	4179944.01	0	2.13667	7.97909	2.90783	3.80867	3.08463	3.86633	0.008-03	3.866-03	1.606-02	1.846-03	1.806-03	2.146-03	2.006-03	2.66062-02
592023.6	4179944.01	0	2.46728	7.34285	2.4803	3.08111	2.60275	3.08987	0.008-03	4.816-03	1.396-02	1.416-03	1.396-03	1.636-03	1.506-03	2.46562-02
592023.6	4179944.01	0	2.1879	7.75248	2.77996	3.34199	2.93895	3.40762	0.008-03	3.976-03	1.476-02	1.606-03	1.566-03	1.846-03	1.706-03	2.53462-02
592023.6	4179944.01	0	2.68635	7.15194	2.37178	2.84721	2.39386	2.89386	0.008-03	4.886-03	1.316-02	1.376-03	1.316-03	1.566-03	1.446-03	2.40962-02
592023.6	4179944.01	0	2.24867	7.53975	3.18735	3.38735	3.23378	3.32378	0.008-03	4.076-03	1.436-02	1.486-03	1.446-03	1.756-03	1.626-03	2.47262-02
592073.6	4179944.01	0	2.96645	7.13962	2.53321	3.48903	2.66626	3.1634	0.008-03	4.176-03	1.396-02	1.466-03	1.426-03	1.676-03	1.546-03	2.41662-02
592043.6	4179944.01	0	1.86646	7.7152	2.81085	3.38224	2.98634	3.55923	0.008-03	3.466-03	1.466-02	1.606-03	1.566-03	1.876-03	1.736-03	2.47962-02
592023.6	4179944.01	0	1.92022	7.50843	2.61769	3.23277	2.84338	3.38643	0.008-03	3.406-03	1.426-02	1.506-03	1.466-03	1.786-03	1.656-03	2.41962-02

CONCLUNT uq/ m=3
DEPNUNT g/m=2

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions

City of San Ramon—CityWalk Master Plan EIR

Scenario 4—Proposed Phases 1-3 On-site Receptors Exposed to Construction Phases 4-14

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.047553675	10	361	1	0.25	0.647
0-1	0.047553675	10	1,090	1	1.00	7.811
1-<2	0.047553675	10	1,090	1	1.00	7.811
2-<3	0.047553675	3	631	1	1.00	1.356
3-<4	0.047553675	3	631	1	1.00	1.356
4-<5	0.047553675	3	631	1	1.00	1.356
5-<6	0.047553675	3	631	1	1.00	1.356
6-<7	0.047553675	3	631	1	1.00	1.356
7-<8	0.047553675	3	631	1	1.00	1.356
8-<9	0.047553675	3	631	1	1.00	1.356
9-<10	0.047553675	3	572	1	1.00	1.230
10-<11	0.047553675	3	572	1	1.00	1.230
11-<12	0.047553675	3	572	1	1.00	1.230
12-<13	0.047553675	3	572	1	1.00	1.230
13-<14	0.047553675	3	572	1	1.00	1.230
14-<15	0.047553675	3	572	1	1.00	1.230
15-<16	0.047553675	3	572	1	1.00	1.230
16-<17	0.047553675	1	261	0.73	1.00	0.137
17-<18	0.047553675	1	261	0.73	1.00	0.137
18-<19	0.047553675	1	261	0.73	1.00	0.137
19-<20	0.047553675	1	261	0.73	1.00	0.137
20-<21	0.047553675	1	261	0.73	1.00	0.137
21-<22	0.047553675	1	261	0.73	0.76	0.104
Total						35.16

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.021082629	10	361	1	0.25	0.287
0-1	0.021082629	10	1,090	1	1.00	3.463
1-<2	0.021082629	10	1,090	1	1.00	3.463
2-<3	0.021082629	3	631	1	1.00	0.601
3-<4	0.021082629	3	631	1	1.00	0.601
4-<5	0.021082629	3	631	1	1.00	0.601
5-<6	0.021082629	3	631	1	1.00	0.601
6-<7	0.021082629	3	631	1	1.00	0.601
7-<8	0.021082629	3	631	1	1.00	0.601
8-<9	0.021082629	3	631	1	1.00	0.601
9-<10	0.021082629	3	572	1	1.00	0.545
10-<11	0.021082629	3	572	1	1.00	0.545
11-<12	0.021082629	3	572	1	1.00	0.545
12-<13	0.021082629	3	572	1	1.00	0.545
13-<14	0.021082629	3	572	1	1.00	0.545
14-<15	0.021082629	3	572	1	1.00	0.545
15-<16	0.021082629	3	572	1	1.00	0.545
16-<17	0.021082629	1	261	0.73	1.00	0.061
17-<18	0.021082629	1	261	0.73	1.00	0.061
18-<19	0.021082629	1	261	0.73	1.00	0.061
19-<20	0.021082629	1	261	0.73	1.00	0.061
20-<21	0.021082629	1	261	0.73	1.00	0.061
21-<22	0.021082629	1	261	0.73	0.76	0.046
Total						15.59

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.047553675	3	631	1	7.00	9.5
9 to 16	0.047553675	3	572	1	7.00	8.6
>16	0.047553675	1	261	0.73	8.01	1.1
Total						19.20

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.021082629	3	631	1	7.00	4.2
9 to 16	0.021082629	3	572	1	7.00	3.8
>16	0.021082629	1	261	0.73	8.01	0.5
Total						8.51

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.047553675	1	261	0.73	22.01	3.0
Total						3.01

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	DPM Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.021082629	1	261	0.73	22.01	1.3
Total						1.33

City of San Ramon—CityWalk Master Plan EIR

Scenario 4—Proposed Phases 1-3 On-site Receptors Exposed to Construction Phases 4-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0476	0.0476	0.00951

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591901.4	4179977.87	0.0922	0.0922

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0211	0.0211	0.00422

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591901.4	4179977.87	0.0695	0.0695

592023.6	4179944.01	0	3.07628	9.35997	1.54311	4.30351	3.77382	4.53657	0.00E+00	9.28604	5.01E-03	1.39E-05	1.32E-05	3.02E-05	1.66E-05	6.00E-03
592023.6	4179954.01	0	3.79602	8.65388	1.92004	3.70811	3.2121	3.95177	0.00E+00	1.13E-03	4.46E-03	3.93E-05	2.86E-05	3.33E-05	1.11E-05	5.80E-03
592023.6	4179964.01	0	4.31304	8.04384	2.67732	3.20716	2.76357	3.29712	0.00E+00	1.31E-03	4.31E-03	1.54E-05	2.47E-05	2.87E-05	2.66E-05	5.73E-03
592023.6	4179974.01	0	3.14724	9.02363	1.36624	4.05841	3.54924	4.26223	0.00E+00	5.50E-04	4.84E-03	3.20E-05	3.13E-05	3.09E-05	3.40E-05	5.83E-03
592023.6	4179984.01	0	3.78377	8.1771	3.93347	3.51033	3.04366	3.49479	0.00E+00	1.14E-03	4.49E-03	2.78E-05	2.78E-05	3.16E-05	2.93E-05	5.791E-03
592023.6	4179994.01	0	4.3234	7.80338	1.52615	3.04762	2.62344	3.12629	0.00E+00	1.30E-03	4.30E-03	1.42E-05	2.36E-05	2.73E-05	2.52E-05	5.532E-03
592023.6	4180004.01	0	3.21209	8.7138	1.36627	3.84668	3.36607	4.00779	0.00E+00	9.89E-04	4.68E-03	3.10E-05	2.86E-05	3.48E-05	3.28E-05	5.724E-03
592023.6	4180014.01	0	3.8118	8.11564	2.75088	3.32874	2.88218	3.43713	0.00E+00	1.15E-03	4.35E-03	2.64E-05	2.57E-05	3.00E-05	2.77E-05	5.634E-03
592023.6	4180024.01	0	2.65339	1.43796	1.43796	1.66661	4.42079	1.66661	0.00E+00	8.02E-04	4.57E-03	3.29E-05	3.29E-05	3.81E-05	3.55E-05	5.807E-03
592023.6	4180034.01	0	3.81148	7.88066	2.62188	3.16181	2.73411	3.26557	0.00E+00	1.14E-03	4.21E-03	2.51E-05	2.44E-05	2.84E-05	2.63E-05	5.466E-03
592023.6	4180044.01	0	3.26695	8.44133	1.03125	3.62883	3.16274	3.77876	0.00E+00	9.88E-04	4.53E-03	2.87E-05	2.80E-05	3.20E-05	3.06E-05	5.433E-03
592023.6	4180054.01	0	3.8401	7.65811	2.49716	3.07551	2.59784	3.09649	0.00E+00	1.16E-03	4.31E-03	2.39E-05	2.16E-05	2.70E-05	2.49E-05	5.360E-03
592023.6	4180064.01	0	3.31487	8.1302	2.8495	3.4417	2.99411	3.37131	0.00E+00	1.00E-03	4.30E-03	2.78E-05	2.63E-05	3.13E-05	2.88E-05	5.600E-03
592023.6	4180074.01	0	2.72083	8.70812	1.25052	3.84236	3.49338	4.14641	0.00E+00	8.23E-04	4.70E-03	3.12E-05	3.04E-05	3.60E-05	3.34E-05	5.656E-03
592023.6	4180084.01	0	1.35452	7.93609	1.26845	2.83987	2.48685	3.18130	0.00E+00	1.01E-03	4.24E-03	1.59E-05	1.53E-05	2.03E-05	2.79E-05	5.370E-03
592023.6	4180094.01	0	3.84605	7.64508	2.86654	2.47288	2.03773	2.56712	0.00E+00	1.16E-03	3.99E-03	2.28E-05	2.23E-05	2.57E-05	2.37E-05	5.239E-03
592023.6	4180104.01	0	2.79283	8.48388	1.08681	3.7342	3.26977	3.90997	0.00E+00	8.43E-04	4.55E-03	2.95E-05	2.88E-05	3.40E-05	3.15E-05	5.514E-03
592023.6	4180114.01	0	3.38677	7.70093	1.58641	3.10866	2.69733	3.20758	0.00E+00	1.02E-03	4.33E-03	2.47E-05	2.40E-05	2.80E-05	2.59E-05	5.280E-03
592023.6	4180124.01	0	2.83262	8.22003	1.93377	3.54518	3.09605	3.69469	0.00E+00	8.61E-04	4.41E-03	2.81E-05	2.78E-05	3.22E-05	3.08E-05	5.380E-03
592023.6	4180134.01	0	3.4102	7.49534	2.46054	2.96256	2.5658	3.04749	0.00E+00	1.03E-03	4.02E-03	2.35E-05	2.28E-05	2.67E-05	2.46E-05	5.146E-03
592023.6	4180144.01	0	2.95445	7.93425	1.78854	3.3641	2.93446	3.49745	0.00E+00	8.77E-04	4.30E-03	2.67E-05	2.69E-05	3.02E-05	3.02E-05	5.264E-03
592023.6	4180154.01	0	2.36979	8.49732	1.15638	3.81847	3.35763	4.02324	0.00E+00	7.15E-04	4.56E-03	1.02E-05	2.95E-05	3.49E-05	3.34E-05	5.393E-03
592023.6	4180164.01	0	3.42488	7.29395	2.34900	2.82229	2.44422	2.99562	0.00E+00	1.03E-03	3.91E-03	2.26E-05	2.18E-05	2.54E-05	2.34E-05	5.031E-03
592023.6	4180174.01	0	2.9533	7.74421	2.65393	3.20017	2.79848	3.3167	0.00E+00	8.91E-04	4.35E-03	2.54E-05	2.47E-05	2.90E-05	2.67E-05	5.150E-03
592023.6	4180184.01	0	2.43488	8.23472	1.00021	3.62471	3.18182	3.80198	0.00E+00	7.35E-04	4.42E-03	2.87E-05	2.80E-05	3.31E-05	3.271E-03	
592023.6	4180194.01	0	2.99364	7.52308	1.94062	3.14062	2.63351	3.15052	0.00E+00	9.03E-04	4.04E-03	2.42E-05	2.35E-05	2.86E-05	2.54E-05	5.161E-03
592023.6	4180204.01	0	2.49566	7.98964	2.85364	3.4454	3.01973	3.60013	0.00E+00	7.53E-04	4.28E-03	2.78E-05	2.66E-05	3.14E-05	3.00E-05	5.152E-03
592023.6	4180214.01	0	3.05939	7.32686	1.41662	3.20066	2.52766	2.9971	0.00E+00	9.10E-04	3.93E-03	2.21E-05	2.24E-05	2.63E-05	2.42E-05	4.938E-03
592023.6	4180224.01	0	2.55118	7.76035	1.72141	3.27915	2.86999	3.41465	0.00E+00	7.70E-04	4.16E-03	2.60E-05	2.48E-05	2.88E-05	2.75E-05	5.040E-03
592023.6	4180234.01	0	2.0666	8.21014	1.05142	3.88614	3.45095	4.02000	0.00E+00	4.41E-04	4.41E-03	1.92E-05	1.84E-05	2.17E-05	1.94E-05	4.931E-03
592023.6	4180244.01	0	3.0521	7.11564	2.11051	2.75546	2.45051	2.91511	0.00E+00	9.21E-04	4.10E-03	2.21E-05	2.14E-05	2.51E-05	2.30E-05	4.833E-03
592023.6	4180254.01	0	2.60217	7.54509	1.59656	3.12473	2.7314	3.24475	0.00E+00	7.85E-04	4.05E-03	2.49E-05	2.41E-05	2.84E-05	2.62E-05	4.931E-03
592023.6	4180264.01	0	1.12867	3.90783	1.96783	3.92079	3.08463	3.68633	0.00E+00	4.45E-04	4.38E-03	3.78E-05	3.21E-05	3.31E-05	3.07E-05	5.017E-03
592023.6	4180274.01	0	2.64728	7.34285	2.4803	2.98111	2.60275	3.08997	0.00E+00	7.99E-04	3.94E-03	3.37E-05	3.30E-05	3.71E-05	3.49E-05	4.835E-03
592023.6	4180284.01	0	2.1879	7.75214	1.27396	3.34499	2.93465	3.49702	0.00E+00	4.60E-04	4.16E-03	2.65E-05	2.58E-05	3.01E-05	2.82E-05	4.838E-03
592023.6	4180294.01	0	2.68835	7.11204	2.48324	2.84721	2.49386	3.00000	0.00E+00	8.11E-04	3.84E-03	2.27E-05	2.20E-05	2.58E-05	2.37E-05	4.741E-03
592023.6	4180304.01	0	2.24867	7.53975	1.6480	3.18755	2.79258	3.13378	0.00E+00	6.77E-04	4.04E-03	2.54E-05	2.47E-05	2.91E-05	2.68E-05	4.823E-03
592023.6	4180314.01	0	2.29545	7.33962	1.83321	3.14803	2.66626	3.1634	0.00E+00	6.93E-04	3.94E-03	2.42E-05	2.35E-05	2.77E-05	2.55E-05	4.728E-03
592023.6	4180324.01	0	1.86546	7.71532	2.83085	3.38524	2.98834	3.59323	0.00E+00	5.83E-04	4.14E-03	2.69E-05	2.61E-05	3.10E-05	2.87E-05	4.833E-03
592023.6	4180334.01	0	1.92020	7.56241	2.68769	3.23277	2.94328	3.38643	0.00E+00	5.80E-04	4.03E-03	2.57E-05	2.49E-05	2.96E-05	2.78E-05	4.714E-03

CONCLUNT ug/

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590203.6	4179954.01	0	3.07608	8.35997	1.54311	4.30351	3.71182	4.58667	0.00000	1.34803	1.18602	2.05603	2.00603	2.37603	2.21603	2.14316
590203.6	4179954.01	0	3.74602	8.63388	1.90304	3.70851	3.2191	3.85177	0.00000	1.43803	1.06602	1.77603	1.73603	2.02603	1.87603	1.90316
590203.6	4179954.01	0	4.31304	8.04394	2.65732	3.20716	2.76357	3.29712	0.00000	1.89603	0.84603	1.54603	1.49603	1.78603	1.60603	1.81076
590203.6	4179954.01	0	3.14724	9.02663	1.34624	4.05861	3.59124	4.25823	0.00000	1.37603	1.11602	1.99603	1.89603	2.23603	2.07603	2.03316
590203.6	4179954.01	0	3.78177	8.3711	3.03047	3.15103	3.04306	3.63479	0.00000	1.65603	1.03602	1.68603	1.63603	1.91603	1.77603	1.80002
590203.6	4179954.01	0	4.1324	7.80318	2.52815	3.04762	2.62344	3.26229	0.00000	1.88603	0.97603	1.46603	1.42603	1.63603	1.52603	1.79962
590203.6	4179954.01	0	3.22209	8.72138	1.36627	3.83668	3.36977	4.00979	0.00000	1.40603	1.07602	1.83603	1.79603	2.12603	1.96603	1.97962
590203.6	4179954.01	0	3.81318	8.11864	2.75688	3.32874	2.88218	3.41713	0.00000	1.66603	0.99603	1.39603	1.35603	1.55603	1.47603	1.82092
590203.6	4179954.01	0	2.65339	9.07537	1.43796	4.17008	3.66915	4.40979	0.00000	1.16603	1.11602	1.99603	1.94603	2.30603	2.15603	2.04662
590203.6	4179954.01	0	3.81348	7.88966	2.62198	3.16181	2.73412	3.26657	0.00000	1.47603	0.96603	1.51603	1.47603	1.72603	1.59603	1.76096
590203.6	4179954.01	0	3.26995	8.44181	1.80125	3.67961	3.18774	3.77874	0.00000	1.42603	1.01602	1.73603	1.69603	1.98603	1.84603	1.91112
590203.6	4179954.01	0	3.66011	7.66831	2.47716	3.07511	2.69664	3.29664	0.00000	1.47603	0.94603	1.46603	1.42603	1.63603	1.50603	1.76092
590203.6	4179954.01	0	3.31487	8.1802	2.3495	3.4417	2.99431	3.57113	0.00000	1.44603	1.00602	1.65603	1.60603	1.88603	1.74603	1.81302
590203.6	4179954.01	0	2.72581	8.78612	1.25622	3.88266	3.40188	4.14641	0.00000	1.19603	1.07602	1.88603	1.84603	2.17603	2.02603	1.93442
590203.6	4179954.01	0	3.35452	7.93929	2.20845	2.83987	2.43139	3.01139	0.00000	1.44603	0.97203	1.57603	1.53603	1.78603	1.65603	1.80762
590203.6	4179954.01	0	3.86666	7.44508	2.38139	2.86444	2.47288	2.93773	0.00000	1.47603	0.92603	1.38603	1.34603	1.59603	1.46603	1.64812
590203.6	4179954.01	0	2.70283	8.48188	1.08841	3.7342	3.26977	3.90977	0.00000	1.22603	1.04602	1.78603	1.74603	2.06603	1.90603	1.90662
590203.6	4179954.01	0	3.88077	7.70893	2.58041	3.10866	2.69735	3.20758	0.00000	1.47603	0.94603	1.49603	1.45603	1.66603	1.54603	1.71102
590203.6	4179954.01	0	2.85285	8.22023	1.93177	3.5443	3.09626	3.69449	0.00000	1.24603	1.07602	1.66603	1.62603	1.94603	1.80603	1.89662
590203.6	4179954.01	0	3.4102	7.49534	2.48054	2.96956	2.5658	3.04749	0.00000	1.48603	0.93603	1.42603	1.38603	1.63603	1.48603	1.65062
590203.6	4179954.01	0	3.90645	7.09155	2.78854	3.3643	2.91646	3.49745	0.00000	1.30603	0.97903	1.61603	1.57603	1.84603	1.70603	1.79662
590203.6	4179954.01	0	2.38979	8.49752	1.16518	3.81847	3.35763	4.02224	0.00000	1.03603	1.04602	1.82603	1.78603	2.11603	1.96603	1.93076
590203.6	4179954.01	0	3.42488	7.29395	2.34909	2.82289	2.44412	2.89922	0.00000	1.49603	0.94603	1.36603	1.32603	1.53603	1.41603	1.60912
590203.6	4179954.01	0	2.9533	7.74421	2.65993	3.20027	2.79848	3.3167	0.00000	1.29603	0.94603	1.53603	1.49603	1.75603	1.61603	1.73212
590203.6	4179954.01	0	2.43488	8.23472	1.00011	3.81832	3.36189	4.00189	0.00000	1.06603	1.02602	1.73603	1.69603	2.00603	1.85603	1.86862
590203.6	4179954.01	0	2.99384	7.52938	1.9153	3.10461	2.63351	3.12952	0.00000	1.30603	0.92603	1.46603	1.42603	1.66603	1.53603	1.69092
590203.6	4179954.01	0	2.49566	7.98964	2.85564	3.4454	3.02973	3.60013	0.00000	1.09603	0.97603	1.65603	1.60603	1.89603	1.75603	1.77562
590203.6	4179954.01	0	3.02659	7.23886	2.42662	2.90966	2.53766	2.9971	0.00000	1.32603	0.89603	1.40603	1.36603	1.59603	1.46603	1.60992
590203.6	4179954.01	0	2.55158	7.76035	2.72141	3.27915	2.86999	3.41465	0.00000	1.11603	0.95103	1.57603	1.53603	1.80603	1.66603	1.73962
590203.6	4179954.01	0	2.0666	8.11754	1.03142	3.88854	3.4209	4.08791	0.00000	0.99604	1.01602	1.72603	1.68603	2.04603	1.89603	1.82712
590203.6	4179954.01	0	3.0521	7.13564	2.77546	3.24039	2.81029	3.34913	0.00000	1.32603	0.88603	1.46603	1.42603	1.65603	1.51603	1.60062
590203.6	4179954.01	0	2.60217	7.54609	2.99656	3.12473	2.7134	3.24875	0.00000	1.13603	0.92403	1.50603	1.46603	1.71603	1.58603	1.66212
590203.6	4179954.01	0	2.12887	7.97909	1.90783	3.5079	3.03467	3.64613	0.00000	0.92604	0.97603	1.68603	1.64603	1.94603	1.79603	1.74262
590203.6	4179954.01	0	2.64728	7.34285	2.4803	2.98111	2.60275	3.08997	0.00000	1.15603	0.90603	1.43603	1.39603	1.63603	1.50603	1.61042
590203.6	4179954.01	0	2.1879	7.71514	2.77396	3.34839	2.93495	3.49702	0.00000	0.92604	0.95603	1.60603	1.56603	1.84603	1.70603	1.71512
590203.6	4179954.01	0	2.68635	7.15194	2.84721	2.48124	2.08986	2.59986	0.00000	1.17603	0.87603	1.37603	1.33603	1.58603	1.43603	1.54662
590203.6	4179954.01	0	2.24867	7.53975	2.649	3.18755	2.79578	3.32378	0.00000	0.97604	0.92603	1.53603	1.49603	1.73603	1.62603	1.68002
590203.6	4179954.01	0	2.29545	7.33962	3.33211	3.04803	2.6628	3.1834	0.00000	0.99604	0.94603	1.46603	1.42603	1.67603	1.54603	1.60812
590203.6	4179954.01	0	1.86646	7.7152	2.81085	3.38524	2.98034	3.52923	0.00000	0.82604	0.84603	1.62603	1.58603	1.87603	1.73603	1.70762
590203.6	4179954.01	0	1.92262	7.62841	2.62689	3.23277	2.84238	3.36464	0.00000	0.87604	0.82603	1.55603	1.51603	1.76603	1.63603	1.62512

CONCLUNIT ug/
DEPUNIT ug/m³

m³
2

Scenario 5

Proposed Phases 1-4 On-site Receptors Exposed to Construction Phases 5-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 5—Proposed Phases 1-4 On-site Receptors Exposed to Construction Phases 5-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2028	Total
End of Construction	1/1/2048	—
Number of Days	7,305	7,305
Number of Hours	175,320	175,320
Number of Construction Days	5,218	5,218
Number of Construction Hours (8 hours/day)	41,744	41,744
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)
Phases 4-6 (Bishop Ranch 3A)	0.0445	0.0593
Phases 4-6 (Bishop Ranch 3A)	0.0395	0.0395
Phases 4-6 (Bishop Ranch 3A)	0.0393	0.0393
Phases 4-6 (Bishop Ranch 3A)	0.0395	0.0395
Phases 4-6 (Bishop Ranch 3A)	0.0118	0.0118
Phases 4-6 (Bishop Ranch 3A)	0.0121	0.0121
Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Bishop Ranch 2600—Phases 7-14	0.0457	0.1712
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096
Bishop Ranch 2600—Phases 7-14	0.0084	0.0084
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.4057	0.5461

On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Phases 4-6 (Bishop Ranch 3A)	0.0065	0.0213
Phases 4-6 (Bishop Ranch 3A)	0.0063	0.0063
Phases 4-6 (Bishop Ranch 3A)	0.0062	0.0062
Phases 4-6 (Bishop Ranch 3A)	0.0063	0.0063
Phases 4-6 (Bishop Ranch 3A)	0.0043	0.0043
Phases 4-6 (Bishop Ranch 3A)	0.0039	0.0039
Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.1311	0.2714

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.1868	0.2016	0.0335	0.0483
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.4057	0.5461	0.1311	0.2714

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.1868	0.2016	Bishop Ranch 3A	0.0335	0.0483
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.4057	0.5461	Total	0.1311	0.2714

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

1.868E-01 tons

Average Emission

1.696E+05 grams
1.129E-03 grams/sec
1.129E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

3.351E-02 tons

Average Emission

3.042E+04 grams
2.025E-04 grams/sec
2.025E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

2.016E-01 tons

Average Emission

1.831E+05 grams
1.218E-03 grams/sec
1.218E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

4.833E-02 tons

Average Emission

4.388E+04 grams
2.920E-04 grams/sec
2.920E-04 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

2.190E-01 tons

Average Emission

1.988E+05 grams
1.323E-03 grams/sec
1.323E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

9.764E-02 tons

Average Emission

8.866E+04 grams
5.900E-04 grams/sec
5.900E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

3.445E-01 tons

Average Emission

3.128E+05 grams
2.081E-03 grams/sec
2.081E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

2.230E-01 tons

Average Emission

2.025E+05 grams
1.348E-03 grams/sec
1.348E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 5—Proposed Phases 1-4 On-site Receptors Exposed to Construction Phases 5-14
 Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	1/1/2028																			Total				
Start of Construction	1/1/2028																			—				
End of Construction	1/3/2048																			—				
Number of Days	7,305																			7,305				
Number of Hours	175,320																			175,320				
Number of Construction Days	5,218																			5,218				
Number of Construction Hours (8 hours/day)	41,744																			41,744				
	Run 4	Run 4	Run 4	Run 4	Run 4	Run 4	Run 4	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5
Construction Trip Type	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Phases 4-6 (Bishop Ranch 3A)	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14
DPM	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
DPM	0.00074	0.00072	0.00071	0.00070	0.00068	0.00066	0.00064	0.00425	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030	0.01030
DPM	0.00210	0.00194	0.00181	0.00168	0.00155	0.00143	0.00131	0.00819	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940	0.01940
DPM	0.00284	0.00266	0.00251	0.00238	0.00223	0.00208	0.00194	0.01244	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410	0.02410
PM2.5 Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PM2.5 Total	0.01891	0.01879	0.01865	0.01851	0.01834	0.01816	0.01798	0.11840	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760	0.28760
PM2.5 Total	0.11194	0.11153	0.11163	0.11151	0.11151	0.11151	0.11151	0.47241	1.13880	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870
PM2.5 Total	0.13085	0.13017	0.13048	0.13036	0.13036	0.13036	0.13036	0.59081	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540	1.42540
Total DPM	0.000E+00	1.471E-01	1.701E-01	1.717E-01	1.717E-01	1.717E-01	1.717E-01	6.172E-01	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00	4.290E+00
Average Emissions	0.000E+00	3.335E+05	1.544E+05	1.544E+05	1.544E+05	1.544E+05	1.544E+05	0.000E+00	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06	3.895E+06
Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	10.8	10.8	10.8	10.8	20	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Vehicle Travel Distances in the Construction HRA (miles)	Route 1	0.79	0.79	0.79	0.79	0.79	0.79	Route 1	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	Route 2	0.63	0.63	0.63	0.63	0.63	0.63	Route 2	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
	Route 3	0.86	0.86	0.86	0.86	0.86	0.86	Route 3	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
	Route 4	0.66	0.66	0.66	0.66	0.66	0.66	Route 4	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Trip Distribution (percent)	Route 1	25%	25%	25%	25%	25%	25%	Route 1	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
	Route 2	25%	25%	25%	25%	25%	25%	Route 2	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
	Route 3	25%	25%	25%	25%	25%	25%	Route 3	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
	Route 4	25%	25%	25%	25%	25%	25%	Route 4	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)	Route 1	0.000E+00	3.705E-06	4.402E-06	4.402E-06	4.402E-06	4.402E-06	Route 1	0.000E+00	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04	1.646E-04
	Route 2	0.000E+00	4.599E-06	3.955E-06	3.955E-06	3.955E-06	3.955E-06	Route 2	0.000E+00	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04	1.342E-04
	Route 3	0.000E+00	6.197E-06	4.845E-06	4.845E-06	4.845E-06	4.845E-06	Route 3	0.000E+00	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04	1.808E-04
	Route 4	0.000E+00	4.808E-06	3.758E-06	3.758E-06	3.758E-06	3.758E-06	Route 4	0.000E+00	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04	1.403E-04

59101134	41803549	0	0.20505	23.282	0.82474	0.89613	0.75046	0.86407	0.00000	2.338	3.08E-02	8.88E-06	7.38E-06	8.79E-06	7.402E-06	1.307E-02
59111134	41803549	0	0.21273	23.277	0.82125	0.92566	0.79323	0.90376	0.00000	2.48E-04	3.08E-02	7.88E-06	7.88E-06	8.79E-06	7.38E-06	1.307E-02
59121134	41803449	0	0.22596	23.153	0.89583	1.10974	0.90188	1.07051	0.00000	2.56E-04	3.07E-02	1.01E-05	9.07E-06	9.36E-06	9.170E-06	1.0955E-02
59131134	41799717	0	0.49979	14.0454	1.45486	7.5973	6.7054	8.2951	0.00000	1.10E-02	1.86E-02	6.25E-05	6.18E-05	7.84E-05	6.97E-05	2.317E-02
59141134	41803449	0	0.21981	22.8909	0.93625	1.0344	0.84728	0.9742	0.00000	2.48E-04	0.92E-02	8.52E-06	8.47E-06	9.36E-06	8.544E-06	1.0487E-02
59151134	41803349	0	0.22788	22.896	1.0113	1.12407	0.91279	1.0883	0.00000	2.57E-04	3.02E-02	1.03E-05	9.22E-06	1.01E-05	9.305E-06	1.0242E-02
592002.8	4179990.2	0	11.8994	11.46938	4.48186	5.4786	4.7064	5.7394	0.00000	1.13E-02	1.52E-02	4.56E-05	4.49E-05	5.50E-05	4.937E-05	2.897E-02
592022.8	4180000.2	0	12.72739	10.26288	3.8747	4.47656	3.8084	4.51339	0.00000	1.44E-02	1.36E-02	3.74E-05	3.67E-05	4.21E-05	3.937E-05	2.8077E-02
592111.4	4179951.7	0	5.09709	4.2368	1.02617	1.21617	1.02094	1.21746	0.00000	5.75E-03	2.36E-02	8.37E-05	8.37E-05	7.32E-05	6.65E-05	1.048E-04
592181.66	41802149	0	6.40171	16.4822	3.7883	4.88877	3.71207	4.67511	0.00000	7.22E-03	2.16E-02	1.83E-05	1.76E-05	4.30E-05	4.00E-05	2.902E-02
592191.14	41799417	0	6.96318	15.7113	3.1084	3.84441	3.17126	3.1084	0.00000	7.83E-03	2.27E-02	2.77E-05	2.72E-05	9.02E-05	8.58E-05	1.041E-02
592201.8	4179990.2	0	11.37748	10.96941	4.17669	5.16665	4.10072	5.0966	0.00000	1.46E-02	1.40E-02	4.12E-05	4.12E-05	4.82E-05	4.54E-05	2.524E-02
592242.8	4180000.2	0	12.36434	8.96995	3.44936	4.19451	3.54865	4.31876	0.00000	1.39E-02	1.31E-02	5.51E-05	5.44E-05	3.94E-05	3.699E-05	2.7138E-02
592317.2	4179951.7	0	12.88028	12.88028	5.5028	6.79487	5.5028	6.79487	0.00000	9.99E-03	1.02E-02	1.60E-05	1.54E-05	6.66E-05	6.138E-05	2.7064E-02
592351.4	4179967.8	0	7.17203	14.58256	4.89901	6.01278	7.26742	8.50224	0.00000	8.09E-03	1.94E-02	6.61E-05	6.57E-05	8.02E-05	7.626E-05	2.7674E-02
592322.8	4179990.2	0	21.14111	10.5566	4.74261	4.06223	4.9193	4.06223	0.00000	1.26E-02	1.36E-02	3.89E-05	3.89E-05	4.48E-05	4.23E-05	2.649E-02
592311.4	4179957.8	0	5.31918	16.2707	3.2005	4.8734	3.2005	4.8734	0.00000	6.70E-03	2.15E-02	7.57E-05	7.57E-05	9.88E-05	9.166E-05	2.7971E-02
592022.8	4180000.2	0	11.89027	9.51207	3.24652	3.84262	3.13296	4.00842	0.00000	1.15E-02	1.26E-02	3.30E-05	3.23E-05	3.70E-05	3.440E-05	2.6241E-02
592061.42	4180000.46	0	12.2125	11.46938	3.8574	4.50574	3.76641	4.5447	0.00000	1.18E-02	1.11E-02	3.15E-05	3.15E-05	3.47E-05	3.251E-05	2.609E-02
592032.8	4179990.2	0	10.90228	10.90228	3.64427	4.44045	3.79993	4.59779	0.00000	1.23E-02	1.33E-02	3.71E-05	3.64E-05	4.20E-05	3.938E-05	2.5802E-02
592061.4	4179967.8	0	7.30096	15.9306	5.93938	7.30641	6.09071	7.30641	0.00000	8.30E-03	2.06E-02	6.50E-05	6.50E-05	7.92E-05	7.46E-05	2.658E-02
592022.8	4179990.2	0	9.67098	11.24607	4.41677	5.39675	4.41677	5.39675	0.00000	1.09E-02	1.48E-02	4.48E-05	4.42E-05	5.15E-05	4.856E-05	2.5982E-02
592021.8	4179990.2	0	4.14461	16.51779	7.58744	9.4245	8.10627	11.0662	0.00000	4.16E-03	2.16E-02	7.71E-05	7.71E-05	1.11E-04	1.077E-04	1.577E-02
592041.4	4179957.8	0	5.54341	15.0119	8.73784	7.77223	6.7521	1.98E-02	0.00000	6.26E-03	6.89E-02	6.86E-05	6.86E-05	8.148E-05	7.648E-05	1.4148E-02
592042.8	4179990.2	0	11.89027	9.70421	3.42701	4.16544	3.35679	4.30216	0.00000	1.20E-02	1.28E-02	3.48E-05	3.42E-05	3.98E-05	3.638E-05	2.520E-02
592051.4	4179957.8	0	5.73379	14.00231	8.10923	9.0997	8.59962	8.5997	0.00000	6.49E-03	1.65E-02	6.30E-05	6.24E-05	7.70E-05	7.133E-05	1.2594E-02
592031.4	4179947.8	0	4.33085	15.15232	6.93754	8.58939	8.1137	9.50448	0.00000	4.87E-03	2.02E-02	7.05E-05	7.04E-05	8.96E-05	8.335E-05	2.549E-02
592061.4	4179957.8	0	5.94347	12.11217	5.69843	7.08754	6.20162	7.32236	0.00000	6.71E-03	2.74E-02	5.79E-05	5.74E-05	6.97E-05	6.436E-05	2.433E-02
592012.4	4179937.8	0	3.4414	13.3561	6.96132	8.19991	6.96132	8.19991	0.00000	3.88E-03	2.08E-02	7.08E-05	7.07E-05	8.96E-05	8.709E-05	2.4492E-02
592011.4	4179947.8	0	4.46289	14.25746	6.30099	7.86473	7.29997	8.60451	0.00000	5.07E-03	1.89E-02	4.48E-05	4.44E-05	8.03E-05	7.670E-05	2.4210E-02
592011.4	4179947.8	0	6.74486	11.86279	6.74486	8.50041	6.74486	8.50041	0.00000	6.71E-03	1.74E-02	5.79E-05	5.74E-05	6.97E-05	6.436E-05	2.433E-02
592017.4	4179957.8	0	6.10539	12.88066	5.26128	6.45978	5.73701	7.01843	0.00000	6.89E-03	1.64E-02	5.30E-05	5.29E-05	6.94E-05	6.620E-05	2.0311E-02
592031.4	4179947.8	0	4.62615	13.30204	5.8713	7.20214	6.60464	8.0401	0.00000	5.28E-03	1.97E-02	5.97E-05	5.92E-05	7.20E-05	6.942E-05	2.3512E-02
592061.4	4179947.8	0	4.818	12.58074	5.41137	6.6792	6.02065	7.38101	0.00000	5.48E-03	1.67E-02	5.52E-05	5.47E-05	6.61E-05	6.323E-05	2.2371E-02
592028.6	4179990.2	0	7.85657	8.18621	2.68615	3.24436	2.78153	3.29207	0.00000	8.84E-03	1.86E-02	2.71E-05	2.66E-05	3.18E-05	2.92E-05	1.940E-02
592039.6	4179947.8	0	7.68678	7.95429	2.55328	3.108	2.64338	3.15428	0.00000	8.69E-03	1.05E-02	2.60E-05	2.53E-05	2.702E-05	2.610E-05	1.9906E-02
592026.6	4179990.2	0	10.62575	7.07428	2.96977	3.59305	3.08234	3.68777	0.00000	7.98E-03	1.11E-02	3.00E-05	2.92E-05	3.40E-05	3.199E-05	1.9499E-02
592027.6	4179990.2	0	7.00923	6.89964	2.79717	3.4061	3.1804	3.7896	0.00000	7.90E-03	1.05E-02	3.16E-05	3.12E-05	3.56E-05	3.356E-05	2.1986E-02
592043.6	4179954.0	0	6.13788	8.93266	2.32328	3.35455	3.04243	4.09093	0.00000	6.98E-03	1.18E-02	3.29E-05	3.27E-05	3.70E-05	3.504E-05	1.8866E-02
592038.6	4179990.2	0	6.94983	6.94984	2.67332	3.20716	2.70257	3.79712	0.00000	7.81E-03	1.05E-02	3.79E-05	3.74E-05	4.34E-05	4.150E-05	2.8520E-02
592033.6	4179954.0	0	6.18592	8.65388	3.06304	3.76821	3.2191	3.81777	0.00000	6.98E-03	1.14E-02	3.11E-05	3.04E-05	3.58E-05	3.299E-05	1.8586E-02
592039.6	4179990.2	0	6.62289	7.89988	2.52865	3.18742	2.82248	3.62929	0.00000	7.70E-03	1.08E-02	3.57E-05	3.50E-05	2.95E-05	2.89E-05	1.8183E-02
592021.6	4179990.2	0	5.20103	6.83997	3.54311	4.37182	4.37182	4.37182	0.00000	5.90E-03	1.06E-02	3.60E-05	3.58E-05	4.18E-05	3.98E-05	1.848E-02
592026.6	4179990.2	0	6.16938	8.371	2.90547	3.51033	3.04306	3.63479	0.00000	6.90E-03	1.14E-02	2.95E-05	2.88E-05	3.38E-05	3.144E-05	1.839E-02
592038.6	4179990.2	0	5.20382	8.08281	3.34624	4.05841	3.9494	4.2821	0.00000	5.97E-03	1.07E-02	3.89E-05	3.84E-05	4.58E-05	4.348E-05	1.897E-02
592073.6	4179954.0	0	6.13914	8.11564	2.75688	3.32874	2.88218	3.47113	0.00000	6.93E-03	1.07E-02	2.80E-05	2.73E-05	3.36E-05	3.244E-05	1.7947E-02
592034.6	4179990.2	0	5.23295	8.7238	3.16537	3.93488	3.34937	4.00679	0.00000	6.02E-03	1.15E-02	3.21E-05	3.14E-05	3.70E-05	3.542E-05	2.199E-02
592033.6	4179954.0	0	6.10018	7.89566	2.62198	3.16181	2.74411	3.2657	0.00000	6.88E-03	1.04E-02	3.02E-05	2.95E-05	3.42E-05	3.270E-05	1.760E-02
592033.6	4179990.2	0	5.26818	8.44318	3.02981	3.62981	3.15774	3.77876	0.00000	6.03E-03	1.10E-02	3.10E-05	3.03E-05	3.60E-05	3.471E-05	1.7348E-02
592029.6	4179954.0	0	6.00748	7.65631	2.49716	3.07071	2.69784	3.09664	0.00000	6.81E-03	1.07E-02	3.14E-05	3.07E-05	2.87E-05	2.816E-05	1.7026E-02
592026.6	4179990.2	0	5.37769	8.1802	2.8495	3.4447	2.99431	3.57113	0.00000	6.07E-03	1.08E-02	2.92E-05	2.82E-05	3.31E-05	3.09E-05	1.702E-02
592023.6	4179990.2	0	4.4618	8.07937	3.43796	4.17088	3.66991	4.40461	0.00000	5.04E-03	1.20E-02	1.49E-05	1.45E-05	1.75E-05	1.700E-05	1.3700E-02
592033.6	4179954.0	0	5.9821	7.44508	2.8139	2.86454	2.47208	2.91773	0.00000	6.75E-03	0.98E-02	2.40E-05	2.35E-05	2.71E-05	2.516E-05	1.6701E-02
592073.6	4179990.2	0	5.80613	7.93609	2.70959	3.26865	2.81987	3.38139	0.00000	6.07E-03	1.05E-02	2.75E-05	2.68E-05	3.14E-05	2.996E-05	1.688E-02
592033.6	4179990.2	0	4.59997	8.74812	3.25502	3.84326	3.49398	4.14441	0.00000	5.12E-03	1.16E-02	3.11E-05	3.03E-05	3.81E-05	3.552E-05	1.6406E-02
592043.6	4179990.2	0	4.59942	8.48838	3.08681	3.7362	3.20777	3.90797	0.00000	5.19E-03	1.12E-02	3.14E-05	3.06E-05	3.61E-05	3.434E-05	1.6349E-02
592081.6	4179944.0	0	5.31327	7.80891	2.80841	3.10866	2.69733	3.20758	0.00000	6.06E-03	1.02E-02	3.02E-05	2.95E-05	2.88E-05	2.746E-05	1.6372E-02
592023.6	4179990.2	0	4.6484	8.20203	2.93177	3.5418	3.09265	3.69449	0							

99150134	418035449	0	0.25055	23.2822	0.82474	0.89513	0.75046	0.86407	0.00000	2.55604	4.85622	5.58004	4.47604	5.04604	4.59604	5.06304
99151134	418035449	0	21.21273	21.27277	0.13125	0.70266	0.70266	0.93076	0.00000	1.97754	4.38622	5.39604	4.77604	5.33604	4.86604	5.07204
99152134	418035449	0	0.22696	21.17553	0.99583	1.10074	0.90138	1.07051	0.00000	2.79604	4.82622	6.12604	5.53604	6.05604	5.58604	5.08604
99156134	417995747	0	1.58979	14.55244	6.14346	7.57973	6.76264	4.22261	0.00000	1.12622	2.39522	3.89504	3.77622	4.51622	4.29622	5.08622
99151134	418035449	0	0.21981	22.89809	0.93625	1.03844	0.87428	0.99742	0.00000	2.68604	4.78622	5.78604	5.15604	5.69604	5.23604	5.03804
99151134	418035449	0	0.27788	22.89809	1.0113	1.12407	0.91279	1.08533	0.00000	2.79604	4.77622	6.26604	5.61604	6.13604	5.66604	5.03804
9920028	417995747	0	11.58964	41.48978	4.48186	5.47962	4.79842	3.79962	0.00000	1.44522	2.39622	2.77622	2.78622	3.16622	2.99622	4.96822
9920028	418000032	0	10.26288	3.6247	4.47436	3.80844	4.61939	4.61939	0.00000	2.34622	2.34622	2.27622	2.27622	2.56622	2.41622	4.83422
99150134	417995747	0	5.90789	17.78989	6.2386	10.21817	10.21817	11.27046	0.00000	6.21622	3.70622	5.11622	5.11622	5.11622	6.05622	6.05622
99159166	418026349	0	6.40171	16.34922	3.7883	4.58877	4.67511	4.78023	0.00000	2.80622	3.40622	2.38622	2.29622	2.49622	2.44622	5.13822
99198134	417995747	0	9.16318	15.71128	7.15164	8.84411	8.17225	9.38889	0.00000	8.47122	3.27622	4.48122	4.41122	4.94622	5.22122	6.07922
9920128	417995747	0	10.17188	10.96641	4.17069	5.06072	4.30666	4.07069	0.00000	1.89522	2.88622	2.56622	2.54622	2.93622	2.77622	4.70562
9920428	418000032	0	12.34634	9.86995	3.44936	4.19461	3.54865	4.31876	0.00000	1.50622	2.05622	2.11622	2.09622	2.40622	2.22622	4.44622
99197134	417995747	0	12.85277	12.89084	5.5058	6.29487	5.84214	7.28177	0.00000	1.08622	2.70622	1.61622	1.37622	4.00622	3.80622	4.67922
99198134	417995747	0	7.17051	14.58256	6.49905	8.01278	7.24742	8.0224	0.00000	4.87422	3.84622	4.02122	4.03622	4.88622	4.64122	5.64322
9920216	417995747	0	11.14211	10.55866	3.89489	4.60223	4.91286	4.91286	0.00000	1.38622	2.45622	2.45622	2.45622	2.73622	2.57622	4.52322
9920134	417995747	0	5.19158	16.27207	7.4486	8.73744	7.87046	8.73744	0.00000	6.48622	3.39622	4.61622	4.60622	5.89622	5.53622	6.10322
9920028	418000032	0	11.98972	9.51207	3.24652	3.94652	4.04652	4.04652	0.00000	1.46622	1.98622	2.02622	1.97622	2.25622	2.11622	4.27322
9920028	418000032	0	9.2251	9.51497	3.59454	3.4447	3.79573	3.4447	0.00000	1.49522	1.89622	1.89622	1.89622	2.11622	1.98622	4.98622
9920028	417999952	0	10.30228	10.08642	3.64827	4.44405	4.49979	4.99979	0.00000	1.33622	2.30622	2.26622	2.21622	2.55622	2.40622	4.37622
9920614	417995747	0	1.33906	5.93269	7.85918	6.53867	6.89085	8.99249	0.00000	8.99249	3.84622	4.67622	4.64622	4.93622	4.93622	4.93622
9920028	417999852	0	9.67098	11.24607	4.41677	5.39675	4.66792	5.67939	0.00000	1.18622	2.34622	2.78622	2.78622	3.14622	2.98622	4.87622
9920028	417999852	0	4.14461	16.57179	7.51744	9.4245	11.2662	11.2662	0.00000	5.05622	3.45622	4.49622	4.70622	5.12622	5.02622	4.93622
9920414	417995747	0	5.54341	15.0131	6.77704	8.73944	7.72223	15.1261	0.00000	6.73622	3.11622	4.18622	4.18622	5.23622	4.06622	6.65922
9920028	417999952	0	10.55375	9.70421	3.42702	4.26544	4.30616	4.30616	0.00000	1.93622	2.02622	2.12622	2.08622	2.39622	2.26622	4.20122
99198134	417995747	0	5.73579	14.00211	6.19231	7.63937	6.96962	8.33937	0.00000	7.02622	3.91622	3.84622	3.81622	4.48622	4.41622	4.96822
99198134	417995747	0	4.31085	15.11322	6.93754	8.58039	8.11217	9.36448	0.00000	5.25622	3.19622	4.29622	4.29622	5.51622	5.19622	6.83422
99198134	417995747	0	5.92427	13.13127	6.09484	7.05874	7.72326	8.09232	0.00000	7.24622	3.73622	3.15622	3.15622	4.44622	4.24622	4.03622
99192134	417995747	0	3.44154	15.3161	6.96112	8.61145	8.19993	9.10169	0.00000	4.19622	3.19622	4.19622	4.19622	4.51622	4.33622	5.53322
99194134	417995747	0	4.49289	14.25746	6.36999	7.88423	7.28997	8.64431	0.00000	5.47622	2.97622	3.87622	3.82622	4.90622	4.67122	5.22822
99198134	417995747	0	1.74486	11.85679	6.0509	6.32218	6.49071	6.49071	0.00000	1.84622	2.47622	1.95622	1.95622	2.61622	2.48622	4.98622
99197134	417995747	0	6.10539	12.38856	5.26128	6.45078	5.75701	7.03543	0.00000	7.44622	2.58622	3.24622	3.22622	3.87622	3.67622	4.72822
99198134	417995747	0	4.67625	13.80074	5.8713	6.60614	6.18461	8.30651	0.00000	3.78622	1.61622	1.61622	1.61622	1.44622	1.44622	4.90622
99196134	417995747	0	4.8518	12.58974	5.41337	6.67302	6.02025	7.38125	0.00000	5.91622	2.62622	3.36622	3.33622	4.05622	3.85122	4.67022
9920816	417997941	0	7.18657	8.19821	2.84615	3.24436	3.22067	3.22067	0.00000	5.55622	1.71622	1.71622	1.71622	1.87622	1.74622	3.30562
9920916	417997941	0	7.68678	7.95429	2.55328	3.18	2.64238	3.18015	0.00000	9.38622	1.66622	1.54622	1.54622	1.70622	1.64622	3.24522
9920316	417996401	0	7.07428	8.53939	2.96977	3.56035	3.08234	3.48777	0.00000	8.62622	1.78622	1.78622	1.78622	2.07622	1.91622	3.40462
9920716	417996401	0	7.90023	8.70023	3.79727	3.8084	3.8084	3.8084	0.00000	7.54622	1.73622	1.73622	1.73622	1.96622	1.84622	3.79822
9920416	417996401	0	6.18788	8.95266	3.21728	3.92455	3.41243	4.09039	0.00000	8.78622	1.28622	2.02622	2.02622	2.23622	2.15622	3.45622
9920816	417996401	0	6.91833	8.84936	3.20716	3.76517	3.20716	3.20716	0.00000	8.45622	1.67622	1.67622	1.67622	1.89622	1.79622	3.30562
9920516	417996401	0	6.18392	8.61388	3.06304	3.70821	3.23291	3.81527	0.00000	8.78622	1.80622	1.80622	1.80622	2.16622	2.01622	3.34622
9920916	417996401	0	6.62289	7.89388	2.51825	3.04742	2.62244	3.16289	0.00000	8.33622	1.63622	1.56622	1.56622	1.78622	1.69622	3.19622
9920216	417996401	0	9.23953	9.53997	4.50411	5.17751	4.33627	4.33627	0.00000	6.31622	1.61622	1.61622	1.61622	2.07622	1.93622	3.50622
9920316	417996401	0	6.16938	8.3771	2.90347	3.51033	3.04006	3.64979	0.00000	7.52622	1.74622	1.80622	1.75622	2.04622	1.86622	3.24462
9920316	417996401	0	6.18912	8.19821	3.48624	4.02841	3.48624	4.46423	0.00000	8.46622	2.07622	2.07622	2.07622	2.39622	2.21622	3.69622
9920716	417996401	0	6.13914	8.11964	2.76588	3.32874	2.88218	3.47113	0.00000	7.48622	1.69622	1.74622	1.74622	1.94622	1.79622	3.14722
9920416	417996401	0	5.32025	8.7128	3.16527	3.83468	3.40079	4.00079	0.00000	6.50622	1.86622	1.86622	1.86622	2.25622	2.08622	3.28622
9920816	417996401	0	6.10038	7.88066	2.62198	3.14811	2.74411	3.26517	0.00000	7.41622	1.64622	1.64622	1.64622	1.84622	1.70622	3.05722
9920316	417996401	0	5.30218	8.44939	3.00125	3.62893	3.16474	3.79776	0.00000	6.53622	1.76622	1.76622	1.76622	2.11622	1.97622	3.18022
9920916	417996401	0	6.04748	7.61631	2.49716	3.05751	2.69784	3.09064	0.00000	6.19622	1.59622	1.59622	1.59622	1.75622	1.64622	3.07022
9920316	417996401	0	5.17789	8.1802	2.8495	3.4417	2.99431	3.57113	0.00000	6.55622	1.70622	1.70622	1.72622	2.01622	1.86622	3.09922
9920216	417996401	0	4.46121	9.07533	3.41796	3.66691	3.46029	4.40679	0.00000	5.44622	1.89622	2.18622	2.08622	2.46622	2.30622	3.30922
9920316	417996401	0	5.18821	7.44508	2.38139	2.47208	2.91773	3.27208	0.00000	7.29622	1.55622	1.47622	1.47622	1.65622	1.53622	2.89822
9920316	417996401	0	5.18823	7.33699	2.29959	2.28485	2.88987	3.18139	0.00000	6.55622	1.68622	1.68622	1.68622	1.91622	1.76622	3.05622
9920316	417996401	0	4.53967	8.74812	3.25502	3.48226	3.45938	4.44441	0.00000	5.53622	1.82122	2.01622	1.97622	2.32622	2.14622	3.22422
9920416	417996401	0	4.59942	8.48888	3.06881	3.26977	3.90907	4.26977	0.00000	5.60622	1.77622	1.80622	1.80622	2.20622	2.04622	3.12722
9920816	417996401	0	5.17327	7.98991	3.16866	3.26973	3.26973	3.26973	0.00000	6.50622	1.60622	1.60622	1.60622	1.81622	1.67622	3.02222
9920316	417996401	0	4.4694	8.20023	3.5418	3.19025	3.49449	3.80449	0.00000	5.66622	1.71622	1.81622	1.77622	1.98622	1.91622	3.03622
9920916	417996401	0	5.15351	7.49534	2.96056	3.5658	3.04949	3.50499	0.00000	6.52622	1.56622	1.56622	1.56622	1.77622	1.65622	2.94522
9920616	417996401	0	4.68716	7.97415	2.78854	3.3643	2.93446	3.49745	0.00000	5.73622	1.66622	1.78622	1.78622	1.97622	1.83622	2.91622
9920316	4															

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 5—Proposed Phases 1-4 On-site Receptors Exposed to Construction Phases 5-14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.051682326	10	361	1	0.25	0.703
0-1	0.051682326	10	1,090	1	1.00	8.489
1-2	0.051682326	10	1,090	1	1.00	8.489
2-3	0.051682326	3	631	1	1.00	1.474
3-4	0.051682326	3	631	1	1.00	1.474
4-5	0.051682326	3	631	1	1.00	1.474
5-6	0.051682326	3	631	1	1.00	1.474
6-7	0.051682326	3	631	1	1.00	1.474
7-8	0.051682326	3	631	1	1.00	1.474
8-9	0.051682326	3	631	1	1.00	1.474
9-10	0.051682326	3	572	1	1.00	1.336
10-11	0.051682326	3	572	1	1.00	1.336
11-12	0.051682326	3	572	1	1.00	1.336
12-13	0.051682326	3	572	1	1.00	1.336
13-14	0.051682326	3	572	1	1.00	1.336
14-15	0.051682326	3	572	1	1.00	1.336
15-16	0.051682326	3	572	1	1.00	1.336
16-17	0.051682326	1	261	0.73	1.00	0.148
17-18	0.051682326	1	261	0.73	1.00	0.148
18-19	0.051682326	1	261	0.73	1.00	0.148
19-20	0.051682326	1	261	0.73	0.76	0.113
Total						37.91

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.023071676	10	361	1	0.25	0.314
0-1	0.023071676	10	1,090	1	1.00	3.789
1-2	0.023071676	10	1,090	1	1.00	3.789
2-3	0.023071676	3	631	1	1.00	0.658
3-4	0.023071676	3	631	1	1.00	0.658
4-5	0.023071676	3	631	1	1.00	0.658
5-6	0.023071676	3	631	1	1.00	0.658
6-7	0.023071676	3	631	1	1.00	0.658
7-8	0.023071676	3	631	1	1.00	0.658
8-9	0.023071676	3	631	1	1.00	0.658
9-10	0.023071676	3	572	1	1.00	0.597
10-11	0.023071676	3	572	1	1.00	0.597
11-12	0.023071676	3	572	1	1.00	0.597
12-13	0.023071676	3	572	1	1.00	0.597
13-14	0.023071676	3	572	1	1.00	0.597
14-15	0.023071676	3	572	1	1.00	0.597
15-16	0.023071676	3	572	1	1.00	0.597
16-17	0.023071676	1	261	0.73	1.00	0.066
17-18	0.023071676	1	261	0.73	1.00	0.066
18-19	0.023071676	1	261	0.73	1.00	0.066
19-20	0.023071676	1	261	0.73	0.76	0.051
Total						16.92

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
2 to 9	0.051682326	3	631	1	7.00	10.3
9 to 16	0.051682326	3	572	1	7.00	9.4
>16	0.051682326	1	261	0.73	6.01	0.9
Total						20.57

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
2 to 9	0.023071676	3	631	1	7.00	4.6
9 to 16	0.023071676	3	572	1	7.00	4.2
>16	0.023071676	1	261	0.73	6.01	0.4
Total						9.18

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591631.34 4180334.89

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
>16	0.051682326	1	261	0.73	20.01	3.0
Total						2.97

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)	Age Sensitivity Factor				
>16	0.023071676	1	261	0.73	20.01	1.3
Total						1.33

City of San Ramon—CityWalk Master Plan EIR

Scenario 5—Proposed Phases 1-4 On-site Receptors Exposed to Construction Phases 5-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0517	0.0517	0.01034

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591901.4	4179977.87	0.1022	0.1022

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591631.34	4180334.89	0.0231	0.0231	0.00461

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591901.4	4179977.87	0.0758	0.0758

59191134	4180354.89	0.00E+00	2.06E-01	2.33E-01	8.25E-01	8.96E-01	7.50E-01	8.64E-01	0.00E+00	4.17E-05	1.17E-02	8.38E-06	7.36E-06	8.29E-06	7.49E-06	1.38E11-02
59191134	4180354.89	0.00E+00	2.13E-01	2.33E-01	8.71E-01	9.56E-01	7.91E-01	9.21E-01	0.00E+00	4.17E-05	1.17E-02	8.38E-06	7.36E-06	8.29E-06	7.49E-06	1.38E11-02
59191134	4180354.89	0.00E+00	2.27E-01	2.32E-01	9.96E-01	1.11E+00	9.02E-01	1.07E+00	0.00E+00	4.99E-05	1.17E-02	1.01E-05	9.06E-06	9.96E-06	9.17E-06	1.49E11-02
59191134	4180354.89	0.00E+00	2.44E-01	2.34E-01	1.14E+00	1.34E+00	1.07E+00	1.24E+00	0.00E+00	1.86E-05	8.29E-05	4.56E-05	4.49E-05	7.48E-05	7.05E-05	1.61E11-02
59191134	4180354.89	0.00E+00	2.26E-01	2.36E-01	9.36E-01	1.03E+00	8.47E-01	9.97E-01	0.00E+00	4.46E-05	9.52E-06	8.37E-06	7.47E-06	8.47E-06	8.54E-06	1.37E11-02
59191134	4180354.89	0.00E+00	2.26E-01	2.29E-01	1.01E+00	1.12E+00	9.13E-01	1.09E+00	0.00E+00	4.61E-05	1.16E-02	1.03E-05	9.21E-06	1.01E-05	9.31E-06	1.53E11-02
592002.8	4180000.52	0.00E+00	1.24E-01	1.15E-01	4.46E-01	5.48E-01	4.71E-01	5.74E-01	0.00E+00	1.26E-05	6.76E-03	4.56E-05	4.49E-05	5.20E-05	4.92E-05	9.34E11-02
592022.8	4180000.52	0.00E+00	1.37E-01	1.03E-01	3.67E-01	4.47E-01	3.81E+00	4.02E-01	0.00E+00	2.58E-05	6.03E-03	1.74E-05	1.67E-05	1.67E-05	1.67E-05	8.70E11-03
591911.4	4179957.87	0.00E+00	5.28E-01	5.78E-01	1.93E+00	2.13E+00	1.50E-01	1.62E+00	0.00E+00	1.49E-05	1.01E-02	8.17E-05	8.39E-05	1.12E-04	1.04E-04	1.51E11-02
591911.46	4180263.49	0.00E+00	6.40E-01	1.63E-01	3.77E+00	4.59E-01	3.71E+00	4.68E-01	0.00E+00	1.40E-05	1.37E-02	1.88E-05	1.76E-05	4.10E-05	4.00E-05	1.198E+02
591911.4	4179957.87	0.00E+00	6.99E-01	1.57E-01	3.74E+00	8.84E-01	8.17E+00	9.99E-01	0.00E+00	1.40E-05	9.28E-03	7.27E-05	7.29E-05	9.02E-05	8.56E-05	1.150E+02
591911.4	4179957.87	0.00E+00	1.14E-01	1.17E-01	4.17E+00	5.06E-01	4.17E+00	5.06E-01	0.00E+00	1.40E-05	6.47E-03	4.24E-05	4.17E-05	4.96E-05	4.89E-05	8.89E11-03
592024.8	4180000.52	0.00E+00	1.23E-01	8.87E-01	3.45E+00	4.19E-01	3.17E+00	4.32E-01	0.00E+00	2.50E-05	5.82E-03	1.51E-05	1.44E-05	3.84E-05	3.70E-05	8.48E11-03
591917.2	4179957.87	0.00E+00	8.85E-01	1.30E-01	5.51E+00	5.76E-01	5.95E+00	7.28E-01	0.00E+00	1.79E-05	7.66E-03	5.60E-05	5.64E-05	6.56E-05	6.40E-05	9.69E11-03
591915.4	4179957.87	0.00E+00	7.17E-01	1.46E-01	6.50E+00	8.01E-01	7.27E+00	8.50E-01	0.00E+00	1.45E-05	8.60E-03	6.61E-05	6.57E-05	8.71E-05	1.03E-04	1.51E11-02
592022.8	4179957.87	0.00E+00	1.12E-01	1.05E-01	3.89E+00	4.73E-01	4.07E+00	4.93E-01	0.00E+00	1.26E-05	6.30E-03	3.96E-05	3.89E-05	4.49E-05	4.23E-05	8.61E11-03
592022.8	4179957.87	0.00E+00	1.20E-01	9.51E-01	3.25E+00	3.94E-01	3.55E+00	4.05E-01	0.00E+00	2.48E-05	5.61E-03	1.90E-05	1.22E-05	3.70E-05	3.47E-05	8.17E11-03
592061.42	4180000.46	0.00E+00	1.22E-01	9.26E-01	3.86E+00	4.75E-01	3.86E+00	4.75E-01	0.00E+00	1.47E-05	5.44E-03	1.11E-05	1.14E-05	1.47E-05	1.25E-05	9.34E11-03
592022.8	4179957.87	0.00E+00	1.09E-01	1.01E-01	3.65E+00	4.44E-01	3.80E+00	4.60E-01	0.00E+00	2.21E-05	5.93E-03	1.71E-05	1.64E-05	4.20E-05	3.94E-05	8.32E11-03
591961.4	4179957.87	0.00E+00	7.35E-01	1.36E-01	5.54E+00	5.49E-01	5.49E+00	6.40E-01	0.00E+00	1.49E-05	6.94E-03	6.04E-05	5.99E-05	7.22E-05	6.96E-05	1.19E11-02
592002.8	4179957.87	0.00E+00	9.67E-01	1.12E-01	4.42E+00	5.40E-01	4.67E+00	5.68E-01	0.00E+00	1.96E-05	6.83E-03	4.49E-05	4.42E-05	5.15E-05	4.89E-05	8.78E11-03
591911.4	4179957.87	0.00E+00	4.44E-01	2.68E-01	7.05E+00	9.42E-01	8.11E+00	1.12E-01	0.00E+00	9.78E-05	8.11E-03	7.72E-05	7.72E-05	1.11E-04	1.06E-04	1.50E11-02
592044.8	4179957.87	0.00E+00	5.54E-01	1.50E-01	6.78E+00	8.37E-01	7.47E+00	9.51E-01	0.00E+00	1.11E-05	8.87E-03	6.89E-05	6.84E-05	8.38E-05	8.15E-05	1.02E11-02
592022.8	4179957.87	0.00E+00	1.07E-01	8.70E-01	3.43E+00	4.17E-01	3.55E+00	4.30E-01	0.00E+00	2.16E-05	5.73E-03	1.48E-05	1.42E-05	3.60E-05	3.38E-05	8.02E11-03
591915.4	4179957.87	0.00E+00	8.40E-01	1.40E-01	6.40E+00	8.19E-01	7.16E+00	8.56E-01	0.00E+00	1.36E-05	8.30E-03	6.30E-05	6.24E-05	7.70E-05	7.31E-05	9.78E11-03
591931.4	4179947.87	0.00E+00	4.31E-01	1.53E-01	6.94E-01	8.59E-01	8.11E+00	9.96E-01	0.00E+00	8.73E-04	9.03E-03	7.05E-05	7.04E-05	8.96E-05	8.54E-05	1.02E11-02
591961.4	4179957.87	0.00E+00	5.84E-01	1.31E-01	5.70E+00	7.01E+00	6.11E+00	7.32E+00	0.00E+00	1.20E-05	7.75E-03	5.79E-05	5.74E-05	6.97E-05	6.62E-05	9.20E11-03
591921.4	4179957.87	0.00E+00	3.44E-01	6.96E-01	8.63E-01	8.20E-01	1.01E-01	1.01E-01	0.00E+00	6.97E-04	9.05E-03	7.08E-05	7.07E-05	8.96E-05	8.71E-05	1.09E11-02
591911.4	4179947.87	0.00E+00	4.48E-01	1.43E-01	6.37E+00	7.84E-01	7.29E+00	8.90E-01	0.00E+00	9.16E-04	8.41E-03	6.48E-05	6.44E-05	8.01E-05	7.67E-05	9.60E11-03
591982.02	4179957.87	0.00E+00	1.49E-01	1.10E-01	4.92E+00	6.18E-01	6.49E+00	7.89E-01	0.00E+00	1.37E-05	5.05E-03	1.50E-05	1.49E-05	4.48E-05	4.24E-05	8.72E11-03
591971.4	4179957.87	0.00E+00	6.11E-01	1.24E-01	5.26E+00	6.46E-01	5.76E+00	7.04E-01	0.00E+00	1.24E-05	7.31E-03	5.34E-05	5.29E-05	6.36E-05	6.30E-05	8.779E+03
591915.4	4179947.87	0.00E+00	3.46E-01	1.34E-01	5.87E+00	7.28E-01	6.60E+00	8.10E-01	0.00E+00	8.47E-04	9.78E-03	5.97E-05	5.93E-05	7.29E-05	7.05E-05	9.00E11-03
591961.4	4179947.87	0.00E+00	4.81E-01	1.26E-01	5.43E+00	6.67E-01	6.03E+00	7.38E-01	0.00E+00	8.82E-04	7.43E-03	5.52E-05	5.47E-05	6.65E-05	6.32E-05	8.649E+03
592002.8	4179957.87	0.00E+00	7.84E-01	1.20E-01	4.82E+00	5.85E-01	5.15E+00	6.45E-01	0.00E+00	1.59E-05	4.44E-03	2.73E-05	2.64E-05	3.18E-05	3.05E-05	6.538E+03
592095.6	4179957.87	0.00E+00	7.68E-01	1.08E-01	2.64E+00	3.10E-01	3.15E-01	3.15E-01	0.00E+00	1.56E-05	4.69E-03	2.62E-05	2.52E-05	2.70E-05	2.63E-05	6.193E+03
592063.6	4179957.87	0.00E+00	7.07E-01	8.66E-01	2.95E+00	3.37E+00	3.08E+00	3.66E+00	0.00E+00	1.48E-05	5.61E-03	1.00E-05	1.23E-05	3.40E-05	3.16E-05	6.604E+03
592071.6	4179957.87	0.00E+00	7.02E-01	7.60E-01	2.80E+00	3.48E-01	3.48E-01	3.48E-01	0.00E+00	1.42E-05	4.78E-03	2.82E-05	2.77E-05	3.17E-05	3.02E-05	6.496E+03
592041.6	4179957.87	0.00E+00	6.19E-01	8.95E-01	3.32E+00	3.92E+00	3.41E+00	4.09E+00	0.00E+00	1.25E-05	5.38E-03	1.29E-05	1.32E-05	3.77E-05	3.62E-05	6.722E+03
592081.6	4179957.87	0.00E+00	6.92E-01	8.69E-01	3.65E+00	4.26E+00	3.76E+00	4.45E+00	0.00E+00	1.40E-05	4.75E-03	1.79E-05	1.82E-05	5.05E-05	4.92E-05	6.293E+03
592053.6	4179957.87	0.00E+00	6.18E-01	8.65E-01	3.16E+00	3.72E+00	3.85E-01	4.53E+00	0.00E+00	1.25E-05	5.11E-03	1.11E-05	1.04E-05	3.55E-05	3.36E-05	6.478E+03
592091.6	4179957.87	0.00E+00	6.82E-01	7.81E-01	3.25E+00	3.92E+00	3.51E+00	4.20E+00	0.00E+00	1.36E-05	4.61E-03	1.27E-05	1.26E-05	3.70E-05	3.58E-05	6.998E+03
592021.6	4179957.87	0.00E+00	6.19E-01	8.36E-01	3.36E+00	4.02E+00	3.76E+00	4.45E+00	0.00E+00	1.08E-05	5.12E-03	1.66E-05	1.65E-05	4.16E-05	4.02E-05	6.727E+03
592063.6	4179957.87	0.00E+00	6.17E-01	8.38E-01	2.95E+00	3.51E+00	3.04E+00	3.61E+00	0.00E+00	1.25E-05	4.94E-03	1.29E-05	1.28E-05	3.36E-05	3.11E-05	6.341E+03
592011.6	4179947.87	0.00E+00	7.84E-01	8.20E-01	3.24E+00	3.94E-01	3.94E-01	3.94E-01	0.00E+00	1.59E-05	4.44E-03	1.73E-05	1.64E-05	3.18E-05	3.05E-05	6.538E+03
592071.6	4179957.87	0.00E+00	6.54E-01	8.12E-01	2.76E+00	3.33E+00	2.88E+00	3.46E+00	0.00E+00	1.24E-05	4.79E-03	1.28E-05	1.27E-05	3.18E-05	3.04E-05	6.149E+03
592041.6	4179947.87	0.00E+00	8.73E-01	8.73E-01	3.83E+00	4.51E+00	4.05E+00	4.73E+00	0.00E+00	1.08E-05	5.15E-03	1.22E-05	1.24E-05	3.70E-05	3.45E-05	6.832E+03
592081.6	4179957.87	0.00E+00	6.18E-01	7.88E-01	2.62E+00	3.16E+00	2.79E+00	3.26E+00	0.00E+00	1.24E-05	4.65E-03	1.27E-05	1.26E-05	3.02E-05	2.94E-05	5.994E+03
592053.6	4179947.87	0.00E+00	5.36E-01	8.44E-01	3.00E+00	3.61E+00	3.18E+00	3.76E+00	0.00E+00	1.09E-05	4.98E-03	1.05E-05	1.04E-05	2.97E-05	2.86E-05	6.191E+03
592091.6	4179957.87	0.00E+00	6.02E-01	7.66E-01	2.60E+00	3.16E+00	2.80E+00	3.28E+00	0.00E+00	1.22E-05	4.51E-03	1.24E-05	1.24E-05	2.87E-05	2.85E-05	5.846E+03
592063.6	4179947.87	0.00E+00	5.38E-01	8.18E-01	2.85E+00	3.44E-01	2.99E+00	3.57E+00	0.00E+00	1.09E-05	4.81E-03	1.20E-05	1.20E-05	3.31E-05	3.15E-05	6.035E+03
592021.6	4179947.87	0.00E+00	4.46E-01	8.08E-01	1.44E+00	1.67E+00	1.44E+00	1.67E+00	0.00E+00	9.83E-04	5.15E-03	1.49E-05	1.49E-05	4.03E-05	3.79E-05	6.404E+03
592011.6	4179947.87	0.00E+00	5.98E-01	7.45E-01	2.88E+00	3.46E+00	2.47E+00	2.94E+00	0.00E+00	1.21E-05	4.39E-03	1.24E-05	1.23E-05	2.73E-05	2.52E-05	5.703E+03
592071.6	4179947.87	0.00E+00	5.38E-01	7.94E-01	2.71E+00	3.28E-01	2.84E+00	3.38E-01	0.00E+00	1.09E-05	4.66E-03	1.27E-05	1.24E-05	3.14E-05	3.00E-05	5.885E+03
592011.6	4179957.87	0.00E+00	4.54E-01	8.77E-01	3.26E+00	3.94E-01	3.44E+00	4.15E+00	0.00E+00	9.19E-04	5.17E-03	1.31E-05	1.			

59150134	41803549	0.00E+00	2.06E-01	2.33E-01	8.25E-01	8.86E-01	7.95E-01	8.64E-01	0.00E+00	6.02E-05	3.14E-02	5.10E-04	4.47E-04	5.04E-04	4.50E-04	3.33E-02
59151134	41803549	0.00E+00	2.13E-01	2.33E-01	7.95E-01	7.95E-01	7.95E-01	7.95E-01	0.00E+00	3.13E-02	3.14E-02	5.10E-04	4.47E-04	5.04E-04	4.50E-04	3.33E-02
59152134	41803549	0.00E+00	2.27E-01	2.32E-01	9.96E-01	1.11E-00	9.02E-01	1.07E-00	0.00E+00	6.63E-05	3.12E-02	6.16E-04	5.53E-04	6.08E-04	5.58E-04	3.33E-02
59153134	41803549	0.00E+00	2.41E-01	2.31E-01	1.14E-00	7.56E-00	6.71E-00	8.22E-00	0.00E+00	2.16E-03	3.10E-02	1.81E-03	1.77E-03	4.51E-03	4.25E-03	3.33E-02
59154134	41803549	0.00E+00	2.56E-01	2.30E-01	1.03E-00	9.87E-01	9.87E-01	9.87E-01	0.00E+00	6.42E-05	3.10E-02	5.10E-04	4.47E-04	5.04E-04	4.50E-04	3.33E-02
59155134	41803549	0.00E+00	2.70E-01	2.29E-01	1.12E-00	1.12E-00	9.13E-01	1.09E-00	0.00E+00	6.62E-05	3.09E-02	6.26E-04	5.62E-04	6.13E-04	5.66E-04	3.33E-02
59156134	41803549	0.00E+00	2.84E-01	2.28E-01	1.21E-00	1.21E-00	1.00E-00	1.00E-00	0.00E+00	6.81E-05	3.08E-02	7.42E-04	6.77E-04	7.28E-04	6.79E-04	3.33E-02
59157134	41803549	0.00E+00	2.98E-01	2.27E-01	1.30E-00	1.30E-00	1.09E-00	1.09E-00	0.00E+00	7.00E-05	3.07E-02	8.57E-04	7.92E-04	8.43E-04	7.94E-04	3.33E-02
59158134	41803549	0.00E+00	3.12E-01	2.26E-01	1.39E-00	1.39E-00	1.18E-00	1.18E-00	0.00E+00	7.19E-05	3.06E-02	9.72E-04	9.07E-04	9.58E-04	9.08E-04	3.33E-02
59159134	41803549	0.00E+00	3.26E-01	2.25E-01	1.48E-00	1.48E-00	1.27E-00	1.27E-00	0.00E+00	7.38E-05	3.05E-02	1.08E-03	1.01E-03	1.06E-03	1.01E-03	3.33E-02
59160134	41803549	0.00E+00	3.40E-01	2.24E-01	1.57E-00	1.57E-00	1.36E-00	1.36E-00	0.00E+00	7.57E-05	3.04E-02	1.19E-03	1.12E-03	1.17E-03	1.12E-03	3.33E-02
59161134	41803549	0.00E+00	3.54E-01	2.23E-01	1.66E-00	1.66E-00	1.45E-00	1.45E-00	0.00E+00	7.76E-05	3.03E-02	1.30E-03	1.23E-03	1.28E-03	1.23E-03	3.33E-02
59162134	41803549	0.00E+00	3.68E-01	2.22E-01	1.75E-00	1.75E-00	1.54E-00	1.54E-00	0.00E+00	7.95E-05	3.02E-02	1.41E-03	1.34E-03	1.39E-03	1.34E-03	3.33E-02
59163134	41803549	0.00E+00	3.82E-01	2.21E-01	1.84E-00	1.84E-00	1.63E-00	1.63E-00	0.00E+00	8.14E-05	3.01E-02	1.52E-03	1.45E-03	1.50E-03	1.45E-03	3.33E-02
59164134	41803549	0.00E+00	3.96E-01	2.20E-01	1.93E-00	1.93E-00	1.72E-00	1.72E-00	0.00E+00	8.33E-05	3.00E-02	1.63E-03	1.56E-03	1.61E-03	1.56E-03	3.33E-02
59165134	41803549	0.00E+00	4.10E-01	2.19E-01	2.02E-00	2.02E-00	1.81E-00	1.81E-00	0.00E+00	8.52E-05	2.99E-02	1.74E-03	1.67E-03	1.72E-03	1.67E-03	3.33E-02
59166134	41803549	0.00E+00	4.24E-01	2.18E-01	2.11E-00	2.11E-00	1.90E-00	1.90E-00	0.00E+00	8.71E-05	2.98E-02	1.85E-03	1.78E-03	1.83E-03	1.78E-03	3.33E-02
59167134	41803549	0.00E+00	4.38E-01	2.17E-01	2.20E-00	2.20E-00	1.99E-00	1.99E-00	0.00E+00	8.90E-05	2.97E-02	1.96E-03	1.89E-03	1.94E-03	1.89E-03	3.33E-02
59168134	41803549	0.00E+00	4.52E-01	2.16E-01	2.29E-00	2.29E-00	2.08E-00	2.08E-00	0.00E+00	9.09E-05	2.96E-02	2.07E-03	2.00E-03	2.05E-03	2.00E-03	3.33E-02
59169134	41803549	0.00E+00	4.66E-01	2.15E-01	2.38E-00	2.38E-00	2.17E-00	2.17E-00	0.00E+00	9.28E-05	2.95E-02	2.18E-03	2.11E-03	2.16E-03	2.11E-03	3.33E-02
59170134	41803549	0.00E+00	4.80E-01	2.14E-01	2.47E-00	2.47E-00	2.26E-00	2.26E-00	0.00E+00	9.47E-05	2.94E-02	2.29E-03	2.22E-03	2.27E-03	2.22E-03	3.33E-02
59171134	41803549	0.00E+00	4.94E-01	2.13E-01	2.56E-00	2.56E-00	2.35E-00	2.35E-00	0.00E+00	9.66E-05	2.93E-02	2.40E-03	2.33E-03	2.38E-03	2.33E-03	3.33E-02
59172134	41803549	0.00E+00	5.08E-01	2.12E-01	2.65E-00	2.65E-00	2.44E-00	2.44E-00	0.00E+00	9.85E-05	2.92E-02	2.51E-03	2.44E-03	2.49E-03	2.44E-03	3.33E-02
59173134	41803549	0.00E+00	5.22E-01	2.11E-01	2.74E-00	2.74E-00	2.53E-00	2.53E-00	0.00E+00	1.00E-04	2.91E-02	2.62E-03	2.55E-03	2.60E-03	2.55E-03	3.33E-02
59174134	41803549	0.00E+00	5.36E-01	2.10E-01	2.83E-00	2.83E-00	2.62E-00	2.62E-00	0.00E+00	1.02E-04	2.90E-02	2.73E-03	2.66E-03	2.71E-03	2.66E-03	3.33E-02
59175134	41803549	0.00E+00	5.50E-01	2.09E-01	2.92E-00	2.92E-00	2.71E-00	2.71E-00	0.00E+00	1.04E-04	2.89E-02	2.84E-03	2.77E-03	2.82E-03	2.77E-03	3.33E-02
59176134	41803549	0.00E+00	5.64E-01	2.08E-01	3.01E-00	3.01E-00	2.80E-00	2.80E-00	0.00E+00	1.06E-04	2.88E-02	2.95E-03	2.88E-03	2.93E-03	2.88E-03	3.33E-02
59177134	41803549	0.00E+00	5.78E-01	2.07E-01	3.10E-00	3.10E-00	2.89E-00	2.89E-00	0.00E+00	1.08E-04	2.87E-02	3.06E-03	2.99E-03	3.04E-03	2.99E-03	3.33E-02
59178134	41803549	0.00E+00	5.92E-01	2.06E-01	3.19E-00	3.19E-00	2.98E-00	2.98E-00	0.00E+00	1.10E-04	2.86E-02	3.17E-03	3.10E-03	3.15E-03	3.10E-03	3.33E-02
59179134	41803549	0.00E+00	6.06E-01	2.05E-01	3.28E-00	3.28E-00	3.07E-00	3.07E-00	0.00E+00	1.12E-04	2.85E-02	3.28E-03	3.21E-03	3.26E-03	3.21E-03	3.33E-02
59180134	41803549	0.00E+00	6.20E-01	2.04E-01	3.37E-00	3.37E-00	3.16E-00	3.16E-00	0.00E+00	1.14E-04	2.84E-02	3.39E-03	3.32E-03	3.37E-03	3.32E-03	3.33E-02
59181134	41803549	0.00E+00	6.34E-01	2.03E-01	3.46E-00	3.46E-00	3.25E-00	3.25E-00	0.00E+00	1.16E-04	2.83E-02	3.50E-03	3.43E-03	3.48E-03	3.43E-03	3.33E-02
59182134	41803549	0.00E+00	6.48E-01	2.02E-01	3.55E-00	3.55E-00	3.34E-00	3.34E-00	0.00E+00	1.18E-04	2.82E-02	3.61E-03	3.54E-03	3.59E-03	3.54E-03	3.33E-02
59183134	41803549	0.00E+00	6.62E-01	2.01E-01	3.64E-00	3.64E-00	3.43E-00	3.43E-00	0.00E+00	1.20E-04	2.81E-02	3.72E-03	3.65E-03	3.70E-03	3.65E-03	3.33E-02
59184134	41803549	0.00E+00	6.76E-01	2.00E-01	3.73E-00	3.73E-00	3.52E-00	3.52E-00	0.00E+00	1.22E-04	2.80E-02	3.83E-03	3.76E-03	3.81E-03	3.76E-03	3.33E-02
59185134	41803549	0.00E+00	6.90E-01	1.99E-01	3.82E-00	3.82E-00	3.61E-00	3.61E-00	0.00E+00	1.24E-04	2.79E-02	3.94E-03	3.87E-03	3.92E-03	3.87E-03	3.33E-02
59186134	41803549	0.00E+00	7.04E-01	1.98E-01	3.91E-00	3.91E-00	3.70E-00	3.70E-00	0.00E+00	1.26E-04	2.78E-02	4.05E-03	3.98E-03	4.03E-03	3.98E-03	3.33E-02
59187134	41803549	0.00E+00	7.18E-01	1.97E-01	4.00E-00	4.00E-00	3.79E-00	3.79E-00	0.00E+00	1.28E-04	2.77E-02	4.16E-03	4.09E-03	4.14E-03	4.09E-03	3.33E-02
59188134	41803549	0.00E+00	7.32E-01	1.96E-01	4.09E-00	4.09E-00	3.88E-00	3.88E-00	0.00E+00	1.30E-04	2.76E-02	4.27E-03	4.20E-03	4.25E-03	4.20E-03	3.33E-02
59189134	41803549	0.00E+00	7.46E-01	1.95E-01	4.18E-00	4.18E-00	3.97E-00	3.97E-00	0.00E+00	1.32E-04	2.75E-02	4.38E-03	4.31E-03	4.36E-03	4.31E-03	3.33E-02
59190134	41803549	0.00E+00	7.60E-01	1.94E-01	4.27E-00	4.27E-00	4.06E-00	4.06E-00	0.00E+00	1.34E-04	2.74E-02	4.49E-03	4.42E-03	4.47E-03	4.42E-03	3.33E-02
59191134	41803549	0.00E+00	7.74E-01	1.93E-01	4.36E-00	4.36E-00	4.15E-00	4.15E-00	0.00E+00	1.36E-04	2.73E-02	4.60E-03	4.53E-03	4.58E-03	4.53E-03	3.33E-02
59192134	41803549	0.00E+00	7.88E-01	1.92E-01	4.45E-00	4.45E-00	4.24E-00	4.24E-00	0.00E+00	1.38E-04	2.72E-02	4.71E-03	4.64E-03	4.69E-03	4.64E-03	3.33E-02
59193134	41803549	0.00E+00	8.02E-01	1.91E-01	4.54E-00	4.54E-00	4.33E-00	4.33E-00	0.00E+00	1.40E-04	2.71E-02	4.82E-03	4.75E-03	4.80E-03	4.75E-03	3.33E-02
59194134	41803549	0.00E+00	8.16E-01	1.90E-01	4.63E-00	4.63E-00	4.42E-00	4.42E-00	0.00E+00	1.42E-04	2.70E-02	4.93E-03	4.86E-03	4.91E-03	4.86E-03	3.33E-02
59195134	41803549	0.00E+00	8.30E-01	1.89E-01	4.72E-00	4.72E-00	4.51E-00	4.51E-00	0.00E+00	1.44E-04	2.69E-02	5.04E-03	4.97E-03	5.02E-03	4.97E-03	3.33E-02
59196134	41803549	0.00E+00	8.44E-01	1.88E-01	4.81E-00	4.81E-00	4.60E-00	4.60E-00	0.00E+00	1.46E-04	2.68E-02	5.15E-03	5.08E-03	5.13E-03	5.08E-03	3.33E-02
59197134	41803549	0.00E+00	8.58E-01	1.87E-01	4.90E-00	4.90E-00	4.69E-00	4.69E-00	0.00E+00	1.48E-04	2.67E-02	5.26E-03	5.19E-03	5.24E-03	5.19E-03	3.33E-02
59198134	41803549	0.00E+00	8.72E-01	1.86E-01	4.99E-00	4.99E-00	4.78E-00	4.78E-00	0.00E+00	1.50E-04	2.66E-02	5.37E-03	5.30E-03	5.35E-03	5.30E-03	3.33E-02
59199134	41803549	0.00E+00	8.86E-01	1.85E-01	5.08E-00	5.08E-00	4.87E-00	4.87E-00	0.00E+00	1.52E-04	2.65E-02	5.48E-03	5.41E-03	5.46E-03	5.41E-03	3.33E-02
59200134	41803549	0.00E+00	9.00E-01	1.84E-01	5.17E-00	5.17E-00	4.96E-00	4.96E-00	0.00E+00	1.54E-04	2.64E-02	5.59E-03	5.52E-03	5.57E-03	5.52E-03	3.33E-02
59201134	41803549	0.00E+00	9.14E-01	1.83E-01	5.26E-00	5.26E-00	5.05E-00	5.05E-00	0.00E+00	1.56E-04	2.63E-02	5.70E-03	5.63E-03	5.68E-03	5.63E-03	3.33E-02
59202134	41803549	0.00E+00	9.28E-01	1.82E-01	5.35E-00	5.35E-00	5.14E-00	5.14E-00	0.00E+00	1.58E-04	2.62E-02	5.81E-03	5.74E-03	5.79E-03	5.74E-03	3.33E-02
59203134	41803549	0.00E+00	9.42E-01	1.81E-01	5.44E-00	5.44E-00	5.23E-00	5.23E-00	0.00E+00	1.60E-04	2.61E-02	5.92E-03	5.85E-03	5.90E-03	5.85E-03	3.33E-02
59204134	41803549	0.00E+00	9.56E-01	1.80E-01	5.53E-00	5.53E-00	5.32E-00	5.32E-00	0.00E+00	1.62E-04						

Scenario 6

Proposed Phases 1-5 On-site Receptors Exposed to Construction Phases 6-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 6—Proposed Phases 1-5 On-site Receptors Exposed to Construction Phases 6-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2030	Total
End of Construction	1/1/2048	—
Number of Days	6,574	6,574
Number of Hours	157,776	157,776
Number of Construction Days	4,697	4,697
Number of Construction Hours (8 hours/day)	37,576	37,576
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated	Unmitigated	On-site Construction Activity	Mitigated	Mitigated
	Onsite DPM (tons)	Onsite PM2.5 (tons)		Onsite DPM (tons)	Onsite PM2.5 (tons)
Phases 4-6 (Bishop Ranch 3A)	0.0219	0.0292	Phases 4-6 (Bishop Ranch 3A)	0.0032	0.0105
Phases 4-6 (Bishop Ranch 3A)	0.0194	0.0194	Phases 4-6 (Bishop Ranch 3A)	0.0031	0.0031
Phases 4-6 (Bishop Ranch 3A)	0.0194	0.0194	Phases 4-6 (Bishop Ranch 3A)	0.0031	0.0031
Phases 4-6 (Bishop Ranch 3A)	0.0194	0.0194	Phases 4-6 (Bishop Ranch 3A)	0.0031	0.0031
Phases 4-6 (Bishop Ranch 3A)	0.0058	0.0058	Phases 4-6 (Bishop Ranch 3A)	0.0021	0.0021
Phases 4-6 (Bishop Ranch 3A)	0.0060	0.0060	Phases 4-6 (Bishop Ranch 3A)	0.0019	0.0019
Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000
Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.3108	0.4436	Total	0.1141	0.2468

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0919	0.0992	0.0165	0.0238
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.3108	0.4436	0.1141	0.2468

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0919	0.0992	Bishop Ranch 3A	0.0165	0.0238
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.3108	0.4436	Total	0.1141	0.2468

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	9.186E-02 tons
Average Emission	8.341E+04 grams 6.166E-04 grams/sec 6.166E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	9.915E-02 tons
Average Emission	9.003E+04 grams 6.655E-04 grams/sec 6.655E-04 grams/m2-sec

Total Mitigated DPM (On-site)	1.648E-02 tons
Average Emission	1.496E+04 grams 1.106E-04 grams/sec 1.106E-04 grams/m2-sec
Total Mitigated PM2.5 (On-site)	2.377E-02 tons
Average Emission	2.158E+04 grams 1.595E-04 grams/sec 1.595E-04 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	2.190E-01 tons
Average Emission	1.988E+05 grams 1.470E-03 grams/sec 1.470E-03 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.445E-01 tons
Average Emission	3.128E+05 grams 2.312E-03 grams/sec 2.312E-03 grams/m2-sec

Total Mitigated DPM (On-site)	9.764E-02 tons
Average Emission	8.866E+04 grams 6.554E-04 grams/sec 6.554E-04 grams/m2-sec
Total Mitigated PM2.5 (On-site)	2.230E-01 tons
Average Emission	2.025E+05 grams 1.497E-03 grams/sec 1.497E-03 grams/m2-sec

Cancer Risk Calculations Using OEHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 6—Proposed Phases 1-5 On-site Receptors Exposed to Construction Phases 6-14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591935.17 4180104.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.108509765	10	361	1	0.25	1.476
0-1	0.108509765	10	1,090	1	1.00	17.822
1-<2	0.108509765	10	1,090	1	1.00	17.822
2-<3	0.108509765	3	631	1	1.00	3.095
3-<4	0.108509765	3	631	1	1.00	3.095
4-<5	0.108509765	3	631	1	1.00	3.095
5-<6	0.108509765	3	631	1	1.00	3.095
6-<7	0.108509765	3	631	1	1.00	3.095
7-<8	0.108509765	3	631	1	1.00	3.095
8-<9	0.108509765	3	631	1	1.00	3.095
9-<10	0.108509765	3	572	1	1.00	2.806
10-<11	0.108509765	3	572	1	1.00	2.806
11-<12	0.108509765	3	572	1	1.00	2.806
12-<13	0.108509765	3	572	1	1.00	2.806
13-<14	0.108509765	3	572	1	1.00	2.806
14-<15	0.108509765	3	572	1	1.00	2.806
15-<16	0.108509765	3	572	1	1.00	2.806
16-<17	0.108509765	1	261	0.73	1.00	0.312
17-<18	0.108509765	1	261	0.73	0.76	0.237
Total					18.01	78.98

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.026706433	10	361	1	0.25	0.363
0-1	0.026706433	10	1,090	1	1.00	4.386
1-<2	0.026706433	10	1,090	1	1.00	4.386
2-<3	0.026706433	3	631	1	1.00	0.762
3-<4	0.026706433	3	631	1	1.00	0.762
4-<5	0.026706433	3	631	1	1.00	0.762
5-<6	0.026706433	3	631	1	1.00	0.762
6-<7	0.026706433	3	631	1	1.00	0.762
7-<8	0.026706433	3	631	1	1.00	0.762
8-<9	0.026706433	3	631	1	1.00	0.762
9-<10	0.026706433	3	572	1	1.00	0.691
10-<11	0.026706433	3	572	1	1.00	0.691
11-<12	0.026706433	3	572	1	1.00	0.691
12-<13	0.026706433	3	572	1	1.00	0.691
13-<14	0.026706433	3	572	1	1.00	0.691
14-<15	0.026706433	3	572	1	1.00	0.691
15-<16	0.026706433	3	572	1	1.00	0.691
16-<17	0.026706433	1	261	0.73	1.00	0.077
17-<18	0.026706433	1	261	0.73	0.76	0.058
Total					19.44	

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591935.17 4180104.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.108509765	3	631	1	7.00	21.7
9 to 16	0.108509765	3	572	1	7.00	19.6
>16	0.108509765	1	261	0.73	4.01	1.2
Total					18.01	42.56

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.026706433	3	631	1	7.00	5.3
9 to 16	0.026706433	3	572	1	7.00	4.8
>16	0.026706433	1	261	0.73	4.01	0.3
Total					10.47	

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591935.17 4180104.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.108509765	1	261	0.73	18.01	5.6
Total						5.61

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.026706433	1	261	0.73	18.01	1.4
Total						1.38

City of San Ramon—CityWalk Master Plan EIR

Scenario 6—Proposed Phases 1-5 On-site Receptors Exposed to Construction Phases 6-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591935.17	4180104.24	0.1085	0.1085	0.02170

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591935.17	4180104.24	0.1489	0.1489

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591935.17	4180104.24	0.0267	0.0267	0.00534

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591901.4	4179977.87	0.0832	0.0832

591921.4	4179957.87	0	7.95158	1779899	8.2368	10.24137	10.02024	11.71646	0.00000	1.12763	2.66620	5.59603	5.65643	7.04603	6.97603	5.38852
591921.4	4180386.49	0	0.38035	21.75657	1.07066	1.89475	1.89475	1.89475	0.00000	3.79623	3.79623	3.79623	3.79623	3.79623	3.79623	4.13663
591931.34	4180314.89	0	0.26073	25.40623	1.39155	1.6004	1.7778	1.54527	0.00000	4.30835	3.86520	4.95640	4.78204	6.04204	6.84604	4.17902
591938.56	4180253.49	0	8.8161	21.67543	4.49735	5.224	4.4683	5.23994	0.00000	1.30523	2.55523	2.85523	2.85523	3.16523	3.16523	3.87523
591941.34	4180348.49	0	0.3887	25.26386	1.53874	1.81104	1.40083	1.75451	0.00000	4.09355	3.77625	4.81104	4.91504	6.16504	6.91504	4.16875
591950.17	4180240.03	0	0.58492	25.88623	3.79324	4.22215	3.74422	4.04891	0.00000	1.53163	2.36620	2.58620	2.58620	2.75620	2.69620	3.58620
591951.34	4180379.49	0	0.37174	24.97374	1.49735	1.7778	1.74139	1.54055	0.00000	4.62623	3.71523	4.17523	4.17523	4.17523	4.17523	4.17523
591951.34	4180348.49	0	0.27434	25.16489	1.60933	1.83949	1.72742	1.54045	0.00000	4.33835	3.77420	4.86420	4.86420	6.04420	6.84620	4.17623
591951.34	4180348.49	0	0.42838	24.94863	1.53848	1.80466	1.48827	1.70213	0.00000	5.15245	3.76420	4.16420	4.16420	4.16420	4.16420	4.16420
59202.8	4180000.52	0	15.74169	0.51107	3.84632	3.8256	4.0982	4.0982	0.00000	2.51163	1.42120	2.21163	2.21163	2.47120	2.12120	2.90620
592013.4	4180251.49	0	8.6274	24.96483	1.96157	4.29298	3.90065	4.0982	0.00000	1.17170	2.46620	2.66620	2.66620	2.88620	2.81620	3.74620
592013.4	4180314.89	0	0.45151	24.9211	1.64518	1.71118	1.55892	1.37810	0.00000	4.18623	3.71120	4.81120	4.81120	6.04120	6.84120	4.17623
592019.14	4180364.89	0	0.39378	24.78026	1.54932	1.83624	1.48139	1.74477	0.00000	5.42025	3.74120	4.10520	4.10520	4.10520	4.10520	4.10520
592042.8	4179990.52	0	15.36656	0.78061	4.42761	4.16444	4.42761	4.42761	0.00000	4.42761	4.42761	4.42761	4.42761	4.42761	4.42761	4.42761
592160.14	4180374.89	0	0.35616	24.60735	1.57445	1.84643	1.51182	1.70537	0.00000	5.68825	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592161.34	4180348.49	0	0.2929	24.65929	1.384	1.63029	1.34699	1.45699	0.00000	4.66625	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.4	4179957.87	0	8.588	26.27207	7.4446	8.93001	8.7374	10.7046	0.00000	1.17370	2.44120	2.66620	2.66620	2.81620	2.81620	4.84662
592191.34	4180384.89	0	0.37019	24.62704	1.57441	1.83944	1.53746	1.78643	0.00000	5.93025	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.36887	24.62707	1.56628	1.83628	1.53739	1.78643	0.00000	5.93025	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.32	24.36888	1.37039	1.60486	1.30099	1.52724	0.00000	5.11125	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.29065	24.31509	1.27155	1.46229	1.15578	1.40537	0.00000	4.19525	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180374.89	0	0.33614	24.24284	1.38507	1.63366	1.14455	1.45625	0.00000	5.38525	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.2929	24.36929	1.384	1.63029	1.34699	1.45699	0.00000	4.66625	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.24851	24.28652	1.26505	1.49517	1.14839	1.36420	0.00000	4.23825	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.35174	24.47020	1.3958	1.64466	1.30237	1.58313	0.00000	5.63125	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.27726	24.2075	1.24207	1.44726	1.14726	1.3884	0.00000	4.42525	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.28827	24.2035	1.23897	1.44285	1.14482	1.3886	0.00000	4.60225	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.32668	24.34384	1.27133	1.49411	1.16523	1.39595	0.00000	4.83225	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180374.89	0	0.31706	24.01565	1.24448	1.44531	1.18663	1.37915	0.00000	5.06625	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.30823	24.06296	1.20689	1.41775	1.08145	1.37164	0.00000	4.72025	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.31624	24.06296	1.21133	1.42029	1.08719	1.38229	0.00000	4.72025	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180374.89	0	0.24393	23.99655	1.08587	1.40419	0.79296	1.09006	0.00000	5.18725	3.59120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4179957.87	0	0.32074	23.92074	1.15319	1.37754	0.77754	1.03261	0.00000	4.47625	3.59120	4.10520	4.10520	4.10520	4.10520	4.10520
592083.42	4180004.46	0	15.03803	0.92197	4.05734	3.70641	3.1447	3.97973	0.00000	2.40820	1.38120	2.08620	2.08620	2.32620	2.17620	2.47962
592083.42	4180374.89	0	0.28827	23.98327	1.20689	1.41775	1.08145	1.37164	0.00000	4.72025	3.66120	4.10520	4.10520	4.10520	4.10520	4.10520
592161.34	4180384.89	0	0.24007	23.91878	1.09719	1.30847	0.95147	1.25621	0.00000	4.84825	3.56120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.31112	23.87193	1.10544	1.21255	1.01855	1.13262	0.00000	4.97025	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.31842	23.8642	1.14511	1.13753	1.01511	1.12756	0.00000	4.97025	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.29922	23.82124	1.13029	1.20851	1.00993	1.12712	0.00000	4.73725	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.32867	23.82657	1.14624	1.20623	1.01462	1.12642	0.00000	4.97025	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.27003	23.84008	1.04861	1.10784	0.94662	1.14001	0.00000	4.74825	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180374.89	0	0.25457	23.87149	1.03688	1.10286	0.94662	1.09779	0.00000	4.60825	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.26999	23.84922	1.11402	1.18251	1.01511	1.12756	0.00000	4.97025	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.27332	23.82289	1.13789	1.20775	1.04833	1.14553	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.28092	23.80521	1.16092	1.23067	1.07009	1.16207	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.28738	23.78487	1.18407	1.25360	1.09278	1.18520	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.29384	23.76450	1.20716	1.27653	1.11547	1.20829	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.29930	23.74413	1.23025	1.29946	1.13826	1.23140	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.30476	23.72376	1.25334	1.32239	1.16105	1.25449	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.31022	23.70339	1.27643	1.34532	1.18384	1.27958	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.31568	23.68302	1.29952	1.36825	1.20663	1.30467	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.32114	23.66265	1.32261	1.39118	1.22942	1.32976	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.32660	23.64228	1.34570	1.41411	1.25221	1.35485	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.33206	23.62191	1.36879	1.43704	1.27500	1.37994	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.33752	23.60154	1.39183	1.45997	1.29679	1.40503	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.34298	23.58117	1.41492	1.48290	1.31858	1.43012	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.34844	23.56080	1.43796	1.50583	1.34141	1.45521	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.35390	23.54043	1.46099	1.52876	1.36424	1.48030	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.35936	23.52006	1.48403	1.55169	1.38707	1.50539	0.00000	4.93625	3.57120	4.10520	4.10520	4.10520	4.10520	4.10520
592191.34	4180384.89	0	0.36482	23.50												

Scenario 7

Proposed Phases 1-6 On-site Receptors Exposed to Construction Phases 7-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 7—Proposed Phases 1-6 On-site Receptors Exposed to Construction Phases 7-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2032	Total
End of Construction	1/1/2048	—
Number of Days	5,844	5,844
Number of Hours	140,256	140,256
Number of Construction Days	4,175	4,175
Number of Construction Hours (8 hours/day)	33,400	33,400
Correction factor to account for non-continuous exposure	4.2	—

CalEEMod

Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Run 5	2032	Bishop Ranch 2600—Phases 7-14	0.0457	0.1712	2032	Bishop Ranch 2600—Phases 7-14	0.0108	0.1362
Run 5	2033	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2033	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2034	Bishop Ranch 2600—Phases 7-14	0.0193	0.0193	2034	Bishop Ranch 2600—Phases 7-14	0.0071	0.0071
Run 5	2035	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2035	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2036	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2036	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2037	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2037	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2038	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2038	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2039	Bishop Ranch 2600—Phases 7-14	0.0118	0.0118	2039	Bishop Ranch 2600—Phases 7-14	0.0060	0.0060
Run 5	2040	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2040	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2041	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2041	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2042	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2042	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2043	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2043	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2044	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2044	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2045	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2045	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Run 5	2046	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2046	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2047	Bishop Ranch 2600—Phases 7-14	0.0084	0.0084	2047	Bishop Ranch 2600—Phases 7-14	0.0032	0.0032
Run 5	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
		Total	0.2190	0.3445		Total	0.0976	0.2230

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.2190	0.3445	0.0976	0.2230
Total	0.2190	0.3445	0.0976	0.2230

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
	Bishop Ranch 1A	0.0000		0.0000	Bishop Ranch 1A
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.2190	0.3445	Bishop Ranch 2600	0.0976	0.2230
Total	0.2190	0.3445	Total	0.0976	0.2230

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

2.190E-01 tons

Average Emission

1.988E+05 grams
1.653E-03 grams/sec
1.653E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

9.764E-02 tons

Average Emission

8.866E+04 grams
7.373E-04 grams/sec
7.373E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

3.445E-01 tons

Average Emission

3.128E+05 grams
2.601E-03 grams/sec
2.601E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

2.230E-01 tons

Average Emission

2.025E+05 grams
1.684E-03 grams/sec
1.684E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 7—Proposed Phases 1-6 On-site Receptors Exposed to Construction Phases 7-14

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

		1/1/2032				Total																
		1/1/2048				—																
		5,844				5,844																
		140,256				140,256																
		4,175				4,175																
		33,400				33,400																
		Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5			
	Construction Trip Type	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14			
DPM	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
DPM	Vendor Truck	0.00425	0.01020	0.01010	0.01000	0.01000	0.01000	0.00996	0.00969	0.00969	0.00969	0.00954	0.00954	0.00954	0.00954	0.00954	0.00954	0.00957	0.00154			
DPM	Worker	0.00619	0.01400	0.01310	0.01230	0.01230	0.01230	0.01220	0.00954	0.00954	0.00954	0.00954	0.00954	0.00954	0.00954	0.00954	0.00835	0.00838	0.00206			
DPM	Total	0.01044	0.02410	0.02310	0.02230	0.02240	0.02230	0.02220	0.01920	0.01920	0.01920	0.01920	0.01920	0.01920	0.01920	0.01920	0.01790	0.01800	0.00360			
PM2.5 Total	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
PM2.5 Total	Vendor Truck	0.11840	0.28760	0.28750	0.28850	0.28960	0.28850	0.28740	0.28820	0.28820	0.28820	0.28820	0.28820	0.28820	0.28820	0.28820	0.28700	0.28810	0.04640			
PM2.5 Total	Worker	0.47241	1.13880	1.13790	1.14140	1.14580	1.14140	1.13710	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13870	1.13320	1.13750	0.27985			
PM2.5 Total	Total	0.59081	1.42640	1.42540	1.42990	1.43540	1.42990	1.42440	1.42690	1.42690	1.42690	1.42690	1.42690	1.42690	1.42690	1.42690	1.42020	1.42560	0.32615			
	Total DPM	0.000E+00	1.436E-01	1.612E-01	3.048E-01	3.047E-01	3.048E-01	3.048E-01	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00	4.199E-00			
	Average Emissions	0.000E+00	1.304E+05	1.464E+05	2.899E-04	2.899E-04	2.899E-04	2.899E-04	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06	3.811E-06			
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8					20	7.3	10.8											
	Vehicle Travel Distances in the Construction HRA (miles)																					
	Route 1	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79			
	Route 2	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63			
	Route 3	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86			
	Route 4	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66			
	Trip Distribution (percent)																					
	Route 1	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 2	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 3	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 4	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)																					
	Route 1	0.000E+00	6.965E-06	5.284E-06	1.225E-05	1.225E-05	1.225E-05	1.225E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
	Route 2	0.000E+00	5.614E-06	4.259E-06	9.873E-06	9.873E-06	9.873E-06	9.873E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
	Route 3	0.000E+00	7.565E-06	5.739E-06	1.338E-05	1.338E-05	1.338E-05	1.338E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
	Route 4	0.000E+00	5.869E-06	4.431E-06	1.032E-05	1.032E-05	1.032E-05	1.032E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 7—Proposed Phases 1-6 On-site Receptors Exposed to Construction Phases 7-14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591840.28 4180099.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 2550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.066461144	10	361	1	0.25	0.904
0-1	0.066461144	10	1,090	1	1.00	10.916
1-<2	0.066461144	10	1,090	1	1.00	10.916
2-<3	0.066461144	3	631	1	1.00	1.896
3-<4	0.066461144	3	631	1	1.00	1.896
4-<5	0.066461144	3	631	1	1.00	1.896
5-<6	0.066461144	3	631	1	1.00	1.896
6-<7	0.066461144	3	631	1	1.00	1.896
7-<8	0.066461144	3	631	1	1.00	1.896
8-<9	0.066461144	3	631	1	1.00	1.896
9-<10	0.066461144	3	572	1	1.00	1.719
10-<11	0.066461144	3	572	1	1.00	1.719
11-<12	0.066461144	3	572	1	1.00	1.719
12-<13	0.066461144	3	572	1	1.00	1.719
13-<14	0.066461144	3	572	1	1.00	1.719
14-<15	0.066461144	3	572	1	1.00	1.719
15-<16	0.066461144	3	572	1	0.76	1.308
Total						47.63

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.030235587	10	361	1	0.25	0.411
0-1	0.030235587	10	1,090	1	1.00	4.966
1-<2	0.030235587	10	1,090	1	1.00	4.966
2-<3	0.030235587	3	631	1	1.00	0.862
3-<4	0.030235587	3	631	1	1.00	0.862
4-<5	0.030235587	3	631	1	1.00	0.862
5-<6	0.030235587	3	631	1	1.00	0.862
6-<7	0.030235587	3	631	1	1.00	0.862
7-<8	0.030235587	3	631	1	1.00	0.862
8-<9	0.030235587	3	631	1	1.00	0.862
9-<10	0.030235587	3	572	1	1.00	0.782
10-<11	0.030235587	3	572	1	1.00	0.782
11-<12	0.030235587	3	572	1	1.00	0.782
12-<13	0.030235587	3	572	1	1.00	0.782
13-<14	0.030235587	3	572	1	1.00	0.782
14-<15	0.030235587	3	572	1	1.00	0.782
15-<16	0.030235587	3	572	1	0.76	0.595
Total						21.67

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591840.28 4180099.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 2550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.066461144	3	631	1	7.00	13.3
9 to 16	0.066461144	3	572	1	7.00	12.0
>16	0.066461144	1	261	0.73	2.01	0.4
Total						25.68

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.030235587	3	631	1	7.00	6.0
9 to 16	0.030235587	3	572	1	7.00	5.5
>16	0.030235587	1	261	0.73	2.01	0.2
Total						11.68

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591840.28 4180099.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 2550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.066461144	1	261	0.73	16.01	3.1
Total						3.06

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.030235587	1	261	0.73	16.01	1.4
Total						1.39

City of San Ramon—CityWalk Master Plan EIR

Scenario 7—Proposed Phases 1-6 On-site Receptors Exposed to Construction Phases 7-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591840.28	4180099.24	0.0665	0.0665	0.01329

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1717	0.1717

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591840.28	4180099.24	0.0302	0.0302	0.00605

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1364	0.1364

Scenario 8

Proposed Phases 1-7 On-site Receptors Exposed to Construction Phases 8-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 8—Proposed Phases 1-7 On-site Receptors Exposed to Construction Phases 8-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2034	Total
End of Construction	1/1/2048	—
Number of Days	5,113	5,113
Number of Hours	122,712	122,712
Number of Construction Days	3,653	3,653
Number of Construction Hours (8 hours/day)	29,224	29,224
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0425	0.1592	Bishop Ranch 2600—Phases 7-14	0.0100	0.1267
Bishop Ranch 2600—Phases 7-14	0.0179	0.0179	Bishop Ranch 2600—Phases 7-14	0.0066	0.0066
Bishop Ranch 2600—Phases 7-14	0.0179	0.0179	Bishop Ranch 2600—Phases 7-14	0.0066	0.0066
Bishop Ranch 2600—Phases 7-14	0.0110	0.0110	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0110	0.0110	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0110	0.0110	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0110	0.0110	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0110	0.0110	Bishop Ranch 2600—Phases 7-14	0.0056	0.0056
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0052	0.0052
Bishop Ranch 2600—Phases 7-14	0.0089	0.0089	Bishop Ranch 2600—Phases 7-14	0.0053	0.0053
Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	Bishop Ranch 2600—Phases 7-14	0.0030	0.0030
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.2036	0.3203	Total	0.0908	0.2074

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.2036	0.3203	0.0908	0.2074
Total	0.2036	0.3203	0.0908	0.2074

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
	Bishop Ranch 1A	0.0000		0.0000	Bishop Ranch 1A
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.2036	0.3203	Bishop Ranch 2600	0.0908	0.2074
Total	0.2036	0.3203	Total	0.0908	0.2074

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

2.036E-01 tons

Average Emission

1.849E+05 grams
1.757E-03 grams/sec
1.757E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

9.081E-02 tons

Average Emission

8.245E+04 grams
7.837E-04 grams/sec
7.837E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

3.203E-01 tons

Average Emission

2.909E+05 grams
2.765E-03 grams/sec
2.765E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

2.074E-01 tons

Average Emission

1.883E+05 grams
1.790E-03 grams/sec
1.790E-03 grams/m2-sec

592022.8	4179990.52	0.00E+00	0.00E+00	8.68E+00	4.17E+00	5.09E+00	4.37E+00	5.31E+00	0.00E+00	0.00E+00	1.53E+02	5.43E+05	5.34E+05	6.17E+05	5.83E+05	1.5484E+02
592022.8	4180000.52	0.00E+00	0.00E+00	8.55E+00	4.13E+00	4.79E+00	4.61E+00	4.95E+00	0.00E+00	0.00E+00	1.50E+02	5.30E+05	5.27E+05	5.97E+05	5.38E+05	1.5494E+02
592022.8	4180010.52	0.00E+00	0.00E+00	8.52E+00	4.14E+00	4.81E+00	4.03E+00	4.94E+00	0.00E+00	0.00E+00	1.50E+02	5.31E+05	5.05E+05	5.71E+05	5.42E+05	1.5495E+02
592022.8	4180020.52	0.00E+00	0.00E+00	8.48E+00	4.10E+00	4.82E+00	4.05E+00	4.96E+00	0.00E+00	0.00E+00	1.49E+02	5.29E+05	5.14E+05	5.74E+05	5.44E+05	1.5496E+02
592022.8	4180030.52	0.00E+00	0.00E+00	8.43E+00	4.07E+00	4.81E+00	4.01E+00	4.97E+00	0.00E+00	0.00E+00	1.48E+02	5.28E+05	5.05E+05	5.70E+05	5.45E+05	1.5497E+02
592022.8	4180040.52	0.00E+00	0.00E+00	8.35E+00	4.03E+00	4.79E+00	4.00E+00	4.96E+00	0.00E+00	0.00E+00	1.47E+02	5.11E+05	5.02E+05	5.77E+05	5.44E+05	1.4999E+02
592022.8	4179990.52	0.00E+00	0.00E+00	8.27E+00	4.19E+00	4.75E+00	4.07E+00	4.92E+00	0.00E+00	0.00E+00	1.47E+02	5.07E+05	4.98E+05	5.74E+05	5.44E+05	1.4744E+02
592022.8	4180050.52	0.00E+00	0.00E+00	8.20E+00	4.24E+00	4.44E+00	3.71E+00	4.54E+00	0.00E+00	0.00E+00	1.44E+02	4.74E+05	4.66E+05	5.23E+05	4.98E+05	1.4615E+02
592022.8	4180060.52	0.00E+00	0.00E+00	8.16E+00	4.27E+00	4.47E+00	3.74E+00	4.56E+00	0.00E+00	0.00E+00	1.44E+02	4.76E+05	4.68E+05	5.26E+05	4.97E+05	1.4616E+02
592022.8	4180070.52	0.00E+00	0.00E+00	8.16E+00	4.27E+00	4.49E+00	3.74E+00	4.56E+00	0.00E+00	0.00E+00	1.43E+02	4.80E+05	4.71E+05	5.18E+05	5.05E+05	1.4618E+02
592022.8	4180080.52	0.00E+00	0.00E+00	8.20E+00	4.20E+00	4.50E+00	3.79E+00	4.43E+00	0.00E+00	0.00E+00	1.42E+02	4.72E+05	4.72E+05	5.34E+05	5.07E+05	1.4411E+02
592022.8	4180090.52	0.00E+00	0.00E+00	8.05E+00	4.16E+00	4.49E+00	3.80E+00	4.43E+00	0.00E+00	0.00E+00	1.41E+02	4.68E+05	4.68E+05	5.18E+05	5.06E+05	1.4414E+02
592022.8	4180000.52	0.00E+00	0.00E+00	7.98E+00	4.17E+00	4.47E+00	3.81E+00	4.43E+00	0.00E+00	0.00E+00	1.40E+02	4.78E+05	4.70E+05	5.39E+05	5.07E+05	1.4222E+02
592022.8	4179990.52	0.00E+00	0.00E+00	7.90E+00	4.15E+00	4.44E+00	3.80E+00	4.43E+00	0.00E+00	0.00E+00	1.39E+02	4.75E+05	4.64E+05	5.17E+05	5.06E+05	1.4277E+02
592044.11	4180030.06	0.00E+00	0.00E+00	7.78E+00	4.14E+00	3.44E+00	3.42E+00	4.21E+00	0.00E+00	0.00E+00	1.37E+02	4.45E+05	4.38E+05	4.93E+05	4.86E+05	1.3815E+02
592044.18	4180030.52	0.00E+00	0.00E+00	7.76E+00	4.14E+00	3.44E+00	3.42E+00	4.21E+00	0.00E+00	0.00E+00	1.36E+02	4.41E+05	4.42E+05	5.02E+05	4.74E+05	1.3878E+02
592044.28	4180030.52	0.00E+00	0.00E+00	7.71E+00	4.14E+00	3.46E+00	3.42E+00	4.21E+00	0.00E+00	0.00E+00	1.35E+02	4.51E+05	4.42E+05	5.04E+05	4.75E+05	1.3732E+02
592044.28	4180000.52	0.00E+00	0.00E+00	7.64E+00	4.14E+00	3.43E+00	3.37E+00	4.21E+00	0.00E+00	0.00E+00	1.34E+02	4.48E+05	4.46E+05	5.03E+05	4.74E+05	1.3618E+02
592022.6	4179944.01	0.00E+00	0.00E+00	7.58E+00	4.14E+00	3.40E+00	3.77E+00	4.24E+00	0.00E+00	0.00E+00	1.33E+02	4.45E+05	4.42E+05	5.13E+05	4.96E+05	1.3788E+02
592042.8	4179990.52	0.00E+00	0.00E+00	7.55E+00	4.13E+00	3.43E+00	4.17E+00	4.23E+00	0.00E+00	0.00E+00	1.33E+02	4.46E+05	4.37E+05	5.04E+05	4.72E+05	1.3479E+02
592044.6	4180010.42	0.00E+00	0.00E+00	7.39E+00	4.10E+00	3.32E+00	3.92E+00	4.02E+00	0.00E+00	0.00E+00	1.30E+02	4.20E+05	4.12E+05	4.97E+05	4.84E+05	1.3525E+02
592022.6	4179934.01	0.00E+00	0.00E+00	7.39E+00	4.10E+00	3.44E+00	4.17E+00	4.41E+00	0.00E+00	0.00E+00	1.30E+02	4.48E+05	4.38E+05	5.19E+05	4.83E+05	1.3176E+02
592022.8	4180000.52	0.00E+00	0.00E+00	7.34E+00	4.10E+00	3.40E+00	3.95E+00	4.02E+00	0.00E+00	0.00E+00	1.29E+02	4.22E+05	4.14E+05	4.74E+05	4.44E+05	1.3170E+02
592033.6	4179944.01	0.00E+00	0.00E+00	7.27E+00	4.13E+00	3.40E+00	3.95E+00	4.26E+00	0.00E+00	0.00E+00	1.28E+02	4.36E+05	4.26E+05	5.02E+05	4.87E+05	1.2967E+02
592043.6	4179954.01	0.00E+00	0.00E+00	7.24E+00	4.12E+00	3.42E+00	3.41E+00	4.02E+00	0.00E+00	0.00E+00	1.28E+02	4.22E+05	4.12E+05	4.88E+05	4.89E+05	1.2729E+02
592033.6	4179994.01	0.00E+00	0.00E+00	7.20E+00	4.12E+00	3.40E+00	4.12E+00	4.26E+00	0.00E+00	0.00E+00	1.28E+02	4.24E+05	4.44E+05	4.98E+05	4.95E+05	1.2660E+02
592063.42	4180004.46	0.00E+00	0.00E+00	7.07E+00	4.10E+00	3.71E+00	3.14E+00	3.80E+00	0.00E+00	0.00E+00	1.24E+02	3.98E+05	3.89E+05	4.45E+05	4.16E+05	1.2588E+02
592043.6	4179944.01	0.00E+00	0.00E+00	6.99E+00	4.17E+00	3.83E+00	3.33E+00	4.02E+00	0.00E+00	0.00E+00	1.23E+02	4.12E+05	4.02E+05	4.73E+05	4.40E+05	1.2444E+02
592033.6	4179924.01	0.00E+00	0.00E+00	6.92E+00	4.16E+00	3.82E+00	3.32E+00	4.02E+00	0.00E+00	0.00E+00	1.23E+02	4.11E+05	4.01E+05	4.71E+05	4.41E+05	1.2313E+02
592033.6	4179944.01	0.00E+00	0.00E+00	6.87E+00	4.10E+00	3.71E+00	3.22E+00	3.83E+00	0.00E+00	0.00E+00	1.23E+02	3.99E+05	3.89E+05	4.53E+05	4.23E+05	1.2217E+02
592044.6	4179934.01	0.00E+00	0.00E+00	6.84E+00	4.10E+00	3.70E+00	3.21E+00	3.83E+00	0.00E+00	0.00E+00	1.22E+02	4.02E+05	3.91E+05	4.56E+05	4.26E+05	1.2171E+02
592033.6	4179944.01	0.00E+00	0.00E+00	6.74E+00	4.10E+00	3.63E+00	3.18E+00	3.74E+00	0.00E+00	0.00E+00	1.18E+02	3.91E+05	3.81E+05	4.47E+05	4.15E+05	1.2024E+02
592063.6	4179964.01	0.00E+00	0.00E+00	6.71E+00	4.10E+00	3.69E+00	3.08E+00	3.84E+00	0.00E+00	0.00E+00	1.18E+02	3.84E+05	3.74E+05	4.36E+05	4.05E+05	1.1998E+02
592033.6	4179914.01	0.00E+00	0.00E+00	6.71E+00	4.10E+00	3.69E+00	3.21E+00	3.81E+00	0.00E+00	0.00E+00	1.18E+02	3.97E+05	3.87E+05	4.59E+05	4.27E+05	1.1983E+02
592043.6	4179934.01	0.00E+00	0.00E+00	6.67E+00	4.10E+00	3.67E+00	3.18E+00	3.81E+00	0.00E+00	0.00E+00	1.17E+02	3.91E+05	3.82E+05	4.50E+05	4.17E+05	1.1899E+02
592063.6	4179954.01	0.00E+00	0.00E+00	6.62E+00	4.10E+00	3.51E+00	3.16E+00	3.67E+00	0.00E+00	0.00E+00	1.16E+02	3.78E+05	3.68E+05	4.30E+05	3.99E+05	1.1995E+02
592033.6	4179944.01	0.00E+00	0.00E+00	6.60E+00	4.10E+00	3.54E+00	3.10E+00	3.67E+00	0.00E+00	0.00E+00	1.16E+02	3.82E+05	3.72E+05	4.38E+05	4.05E+05	1.1752E+02
592063.6	4179944.01	0.00E+00	0.00E+00	6.56E+00	4.10E+00	3.44E+00	3.09E+00	3.44E+00	0.00E+00	0.00E+00	1.15E+02	3.71E+05	3.62E+05	4.23E+05	3.92E+05	1.1702E+02
592073.6	4179964.01	0.00E+00	0.00E+00	6.50E+00	4.10E+00	3.38E+00	2.93E+00	3.48E+00	0.00E+00	0.00E+00	1.14E+02	3.64E+05	3.55E+05	4.12E+05	3.82E+05	1.1558E+02
592043.6	4179914.01	0.00E+00	0.00E+00	6.50E+00	4.10E+00	3.50E+00	3.08E+00	3.69E+00	0.00E+00	0.00E+00	1.14E+02	3.79E+05	3.68E+05	4.36E+05	4.09E+05	1.1575E+02
592033.6	4179924.01	0.00E+00	0.00E+00	6.44E+00	4.10E+00	3.45E+00	3.03E+00	3.67E+00	0.00E+00	0.00E+00	1.13E+02	3.72E+05	3.63E+05	4.17E+05	3.95E+05	1.1481E+02
592073.6	4179954.01	0.00E+00	0.00E+00	6.39E+00	4.10E+00	3.33E+00	2.98E+00	3.44E+00	0.00E+00	0.00E+00	1.12E+02	3.68E+05	3.48E+05	4.08E+05	3.77E+05	1.1368E+02
592063.6	4179934.01	0.00E+00	0.00E+00	6.37E+00	4.10E+00	3.37E+00	2.94E+00	3.59E+00	0.00E+00	0.00E+00	1.12E+02	3.69E+05	3.58E+05	4.15E+05	3.84E+05	1.1315E+02
592033.6	4179944.01	0.00E+00	0.00E+00	6.37E+00	4.10E+00	3.24E+00	2.79E+00	3.33E+00	0.00E+00	0.00E+00	1.12E+02	3.50E+05	3.46E+05	3.94E+05	3.65E+05	1.1338E+02
592043.6	4179964.01	0.00E+00	0.00E+00	6.31E+00	4.10E+00	3.36E+00	2.98E+00	3.58E+00	0.00E+00	0.00E+00	1.11E+02	3.66E+05	3.55E+05	4.11E+05	3.90E+05	1.1299E+02
592073.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592033.6	4179914.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592063.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592033.6	4179924.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592063.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592033.6	4179934.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592063.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592033.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.10E+02	3.43E+05	3.42E+05	4.02E+05	3.71E+05	1.1192E+02
592063.6	4179944.01	0.00E+00	0.00E+00	6.28E+00	4.10E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	1.					

59202.8	417990.52	0.00E+00	0.00E+00	8.68E+00	4.17E+00	5.09E+00	4.37E+00	5.31E+00	0.00E+00	0.00E+00	2.40E+02	3.38E+03	3.28E+03	3.79E+03	3.57E+03	3.797E+02
59202.8	418000.52	0.00E+00	0.00E+00	8.55E+00	3.95E+00	4.79E+00	4.02E+00	4.93E+00	0.00E+00	0.00E+00	2.37E+02	3.18E+03	3.08E+03	3.46E+03	3.36E+03	3.664E+02
59202.8	418010.52	0.00E+00	0.00E+00	8.52E+00	3.94E+00	4.81E+00	4.05E+00	4.94E+00	0.00E+00	0.00E+00	2.36E+02	3.15E+03	3.09E+03	3.50E+03	3.32E+03	3.653E+02
59202.8	418020.52	0.00E+00	0.00E+00	8.48E+00	3.92E+00	4.82E+00	4.05E+00	4.95E+00	0.00E+00	0.00E+00	2.35E+02	3.12E+03	3.10E+03	3.52E+03	3.34E+03	3.655E+02
59202.8	418030.52	0.00E+00	0.00E+00	8.43E+00	3.90E+00	4.83E+00	4.07E+00	4.97E+00	0.00E+00	0.00E+00	2.34E+02	3.10E+03	3.10E+03	3.53E+03	3.34E+03	3.644E+02
59202.8	418040.52	0.00E+00	0.00E+00	8.35E+00	3.93E+00	4.79E+00	4.04E+00	4.92E+00	0.00E+00	0.00E+00	2.33E+02	3.12E+03	3.08E+03	3.54E+03	3.33E+03	3.648E+02
59202.8	417990.52	0.00E+00	0.00E+00	8.27E+00	3.89E+00	4.75E+00	4.02E+00	4.88E+00	0.00E+00	0.00E+00	2.29E+02	3.11E+03	3.05E+03	3.53E+03	3.32E+03	3.640E+02
59202.8	418050.52	0.00E+00	0.00E+00	8.20E+00	3.84E+00	4.74E+00	4.01E+00	4.84E+00	0.00E+00	0.00E+00	2.27E+02	2.91E+03	2.86E+03	3.22E+03	3.05E+03	3.473E+02
59202.8	418060.52	0.00E+00	0.00E+00	8.18E+00	3.87E+00	4.73E+00	4.01E+00	4.83E+00	0.00E+00	0.00E+00	2.26E+02	2.90E+03	2.88E+03	3.25E+03	3.05E+03	3.475E+02
59202.8	418070.52	0.00E+00	0.00E+00	8.15E+00	3.84E+00	4.49E+00	4.00E+00	4.60E+00	0.00E+00	0.00E+00	2.25E+02	2.94E+03	2.89E+03	3.27E+03	3.13E+03	3.472E+02
59202.8	418080.52	0.00E+00	0.00E+00	8.10E+00	3.88E+00	4.50E+00	3.99E+00	4.79E+00	0.00E+00	0.00E+00	2.24E+02	2.90E+03	2.90E+03	3.29E+03	3.11E+03	3.464E+02
59202.8	418090.52	0.00E+00	0.00E+00	8.05E+00	3.89E+00	4.49E+00	3.98E+00	4.78E+00	0.00E+00	0.00E+00	2.23E+02	2.92E+03	2.90E+03	3.30E+03	3.11E+03	3.450E+02
59202.8	418000.52	0.00E+00	0.00E+00	7.98E+00	3.87E+00	4.47E+00	3.91E+00	4.62E+00	0.00E+00	0.00E+00	2.21E+02	2.90E+03	2.88E+03	3.30E+03	3.11E+03	3.428E+02
59202.8	417990.52	0.00E+00	0.00E+00	7.90E+00	3.84E+00	4.44E+00	3.86E+00	4.60E+00	0.00E+00	0.00E+00	2.18E+02	2.91E+03	2.86E+03	3.30E+03	3.09E+03	3.399E+02
59204.11	418030.66	0.00E+00	0.00E+00	7.78E+00	3.82E+00	4.16E+00	3.74E+00	4.25E+00	0.00E+00	0.00E+00	2.15E+02	2.71E+03	2.68E+03	3.02E+03	2.88E+03	3.279E+02
59204.11	418020.52	0.00E+00	0.00E+00	7.76E+00	3.84E+00	4.21E+00	3.76E+00	4.32E+00	0.00E+00	0.00E+00	2.15E+02	2.71E+03	2.71E+03	3.08E+03	2.92E+03	3.292E+02
59204.28	418010.52	0.00E+00	0.00E+00	7.71E+00	3.82E+00	4.21E+00	3.76E+00	4.32E+00	0.00E+00	0.00E+00	2.13E+02	2.76E+03	2.76E+03	3.08E+03	2.91E+03	3.278E+02
59204.28	418000.52	0.00E+00	0.00E+00	7.64E+00	3.84E+00	4.19E+00	3.75E+00	4.31E+00	0.00E+00	0.00E+00	2.11E+02	2.72E+03	2.70E+03	3.09E+03	2.91E+03	3.258E+02
59203.6	417994.01	0.00E+00	0.00E+00	7.58E+00	3.84E+00	4.20E+00	3.77E+00	4.34E+00	0.00E+00	0.00E+00	2.10E+02	2.81E+03	2.77E+03	3.27E+03	3.02E+03	3.288E+02
59204.28	417990.52	0.00E+00	0.00E+00	7.56E+00	3.83E+00	4.17E+00	3.76E+00	4.30E+00	0.00E+00	0.00E+00	2.09E+02	2.74E+03	2.68E+03	3.09E+03	2.89E+03	3.251E+02
59204.6	418018.02	0.00E+00	0.00E+00	7.56E+00	3.82E+00	4.20E+00	3.76E+00	4.31E+00	0.00E+00	0.00E+00	2.09E+02	2.81E+03	2.68E+03	3.06E+03	2.90E+03	3.208E+02
59203.6	417993.01	0.00E+00	0.00E+00	7.38E+00	3.84E+00	4.17E+00	3.87E+00	4.41E+00	0.00E+00	0.00E+00	2.04E+02	2.74E+03	2.68E+03	3.18E+03	2.96E+03	3.200E+02
59203.28	418000.52	0.00E+00	0.00E+00	7.34E+00	3.82E+00	4.16E+00	3.85E+00	4.35E+00	0.00E+00	0.00E+00	2.05E+02	2.75E+03	2.54E+03	3.21E+03	2.72E+03	3.105E+02
59203.6	417994.01	0.00E+00	0.00E+00	7.27E+00	3.83E+00	4.05E+00	3.55E+00	4.25E+00	0.00E+00	0.00E+00	2.01E+02	2.67E+03	2.61E+03	3.08E+03	2.83E+03	3.134E+02
59204.6	417995.01	0.00E+00	0.00E+00	7.14E+00	3.84E+00	4.02E+00	3.40E+00	4.09E+00	0.00E+00	0.00E+00	1.97E+02	2.53E+03	2.59E+03	2.76E+03	2.62E+03	3.055E+02
59203.6	417993.01	0.00E+00	0.00E+00	7.10E+00	3.84E+00	4.04E+00	3.46E+00	4.15E+00	0.00E+00	0.00E+00	1.96E+02	2.54E+03	2.54E+03	2.79E+03	2.62E+03	3.056E+02
59203.42	418000.46	0.00E+00	0.00E+00	7.07E+00	3.80E+00	3.71E+00	3.14E+00	3.80E+00	0.00E+00	0.00E+00	1.95E+02	2.44E+03	2.39E+03	2.73E+03	2.55E+03	2.965E+02
59204.6	417994.01	0.00E+00	0.00E+00	6.99E+00	3.83E+00	3.83E+00	3.25E+00	4.01E+00	0.00E+00	0.00E+00	1.93E+02	2.51E+03	2.47E+03	2.90E+03	2.70E+03	2.993E+02
59203.6	417993.01	0.00E+00	0.00E+00	6.91E+00	3.84E+00	3.82E+00	3.30E+00	4.02E+00	0.00E+00	0.00E+00	1.91E+02	2.52E+03	2.46E+03	2.91E+03	2.71E+03	2.972E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.87E+00	3.86E+00	3.71E+00	3.21E+00	3.83E+00	0.00E+00	0.00E+00	1.90E+02	2.43E+03	2.39E+03	2.79E+03	2.59E+03	2.920E+02
59204.6	417994.01	0.00E+00	0.00E+00	6.85E+00	3.84E+00	3.73E+00	3.17E+00	3.81E+00	0.00E+00	0.00E+00	1.89E+02	2.46E+03	2.46E+03	2.84E+03	2.62E+03	2.924E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.74E+00	3.80E+00	3.69E+00	3.16E+00	3.78E+00	0.00E+00	0.00E+00	1.86E+02	2.40E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.70E+00	3.82E+00	3.68E+00	3.16E+00	3.78E+00	0.00E+00	0.00E+00	1.86E+02	2.40E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.67E+00	3.84E+00	3.67E+00	3.15E+00	3.78E+00	0.00E+00	0.00E+00	1.86E+02	2.40E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.67E+00	3.86E+00	3.67E+00	3.15E+00	3.78E+00	0.00E+00	0.00E+00	1.86E+02	2.40E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.62E+00	3.84E+00	3.65E+00	3.14E+00	3.78E+00	0.00E+00	0.00E+00	1.85E+02	2.42E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.60E+00	3.82E+00	3.64E+00	3.13E+00	3.78E+00	0.00E+00	0.00E+00	1.85E+02	2.42E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.59E+00	3.84E+00	3.64E+00	3.13E+00	3.78E+00	0.00E+00	0.00E+00	1.85E+02	2.42E+03	2.34E+03	2.74E+03	2.54E+03	2.864E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.50E+00	3.82E+00	3.58E+00	3.08E+00	3.74E+00	0.00E+00	0.00E+00	1.80E+02	2.38E+03	2.35E+03	2.74E+03	2.54E+03	2.724E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.50E+00	3.84E+00	3.58E+00	3.08E+00	3.74E+00	0.00E+00	0.00E+00	1.80E+02	2.38E+03	2.35E+03	2.74E+03	2.54E+03	2.724E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.50E+00	3.86E+00	3.58E+00	3.08E+00	3.74E+00	0.00E+00	0.00E+00	1.80E+02	2.38E+03	2.35E+03	2.74E+03	2.54E+03	2.724E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.44E+00	3.84E+00	3.54E+00	3.02E+00	3.69E+00	0.00E+00	0.00E+00	1.78E+02	2.32E+03	2.22E+03	2.62E+03	2.43E+03	2.736E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.38E+00	3.78E+00	3.53E+00	3.02E+00	3.64E+00	0.00E+00	0.00E+00	1.77E+02	2.28E+03	2.14E+03	2.55E+03	2.31E+03	2.684E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.37E+00	3.79E+00	3.53E+00	3.02E+00	3.64E+00	0.00E+00	0.00E+00	1.76E+02	2.28E+03	2.14E+03	2.55E+03	2.31E+03	2.684E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.37E+00	3.80E+00	3.53E+00	3.02E+00	3.64E+00	0.00E+00	0.00E+00	1.76E+02	2.28E+03	2.14E+03	2.55E+03	2.31E+03	2.684E+02
59204.6	417994.01	0.00E+00	0.00E+00	6.31E+00	3.82E+00	3.50E+00	2.98E+00	3.59E+00	0.00E+00	0.00E+00	1.75E+02	2.24E+03	2.10E+03	2.42E+03	2.24E+03	2.649E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.28E+00	3.77E+00	3.47E+00	2.94E+00	3.58E+00	0.00E+00	0.00E+00	1.74E+02	2.15E+03	2.05E+03	2.45E+03	2.27E+03	2.638E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.28E+00	3.78E+00	3.47E+00	2.94E+00	3.58E+00	0.00E+00	0.00E+00	1.74E+02	2.15E+03	2.05E+03	2.45E+03	2.27E+03	2.638E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.28E+00	3.79E+00	3.47E+00	2.94E+00	3.58E+00	0.00E+00	0.00E+00	1.74E+02	2.15E+03	2.05E+03	2.45E+03	2.27E+03	2.638E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.21E+00	3.80E+00	3.46E+00	2.93E+00	3.57E+00	0.00E+00	0.00E+00	1.73E+02	2.17E+03	2.05E+03	2.46E+03	2.22E+03	2.616E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.21E+00	3.81E+00	3.46E+00	2.93E+00	3.57E+00	0.00E+00	0.00E+00	1.73E+02	2.17E+03	2.05E+03	2.46E+03	2.22E+03	2.616E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.21E+00	3.82E+00	3.46E+00	2.93E+00	3.57E+00	0.00E+00	0.00E+00	1.73E+02	2.17E+03	2.05E+03	2.46E+03	2.22E+03	2.616E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.19E+00	3.84E+00	3.46E+00	2.92E+00	3.57E+00	0.00E+00	0.00E+00	1.72E+02	2.18E+03	2.05E+03	2.47E+03	2.19E+03	2.600E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.19E+00	3.85E+00	3.46E+00	2.92E+00	3.57E+00	0.00E+00	0.00E+00	1.72E+02	2.18E+03	2.05E+03	2.47E+03	2.19E+03	2.600E+02
59203.6	417994.01	0.00E+00	0.00E+00	6.17E+00	3.86E+00											

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions

City of San Ramon—CityWalk Master Plan EIR

Scenario 8—Proposed Phases 1-7 On-site Receptors Exposed to Construction Phases 8-14

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.059992017	10	361	1	0.25	0.816
0-1	0.059992017	10	1,090	1	1.00	9.853
1-<2	0.059992017	10	1,090	1	1.00	9.853
2-<3	0.059992017	3	631	1	1.00	1.711
3-<4	0.059992017	3	631	1	1.00	1.711
4-<5	0.059992017	3	631	1	1.00	1.711
5-<6	0.059992017	3	631	1	1.00	1.711
6-<7	0.059992017	3	631	1	1.00	1.711
7-<8	0.059992017	3	631	1	1.00	1.711
8-<9	0.059992017	3	631	1	1.00	1.711
9-<10	0.059992017	3	572	1	1.00	1.551
10-<11	0.059992017	3	572	1	1.00	1.551
11-<12	0.059992017	3	572	1	1.00	1.551
12-<13	0.059992017	3	572	1	1.00	1.551
13-<14	0.059992017	3	572	1	0.76	1.176
Total						39.88

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.027440684	10	361	1	0.25	0.373
0-1	0.027440684	10	1,090	1	1.00	4.507
1-<2	0.027440684	10	1,090	1	1.00	4.507
2-<3	0.027440684	3	631	1	1.00	0.783
3-<4	0.027440684	3	631	1	1.00	0.783
4-<5	0.027440684	3	631	1	1.00	0.783
5-<6	0.027440684	3	631	1	1.00	0.783
6-<7	0.027440684	3	631	1	1.00	0.783
7-<8	0.027440684	3	631	1	1.00	0.783
8-<9	0.027440684	3	631	1	1.00	0.783
9-<10	0.027440684	3	572	1	1.00	0.710
10-<11	0.027440684	3	572	1	1.00	0.710
11-<12	0.027440684	3	572	1	1.00	0.710
12-<13	0.027440684	3	572	1	1.00	0.710
13-<14	0.027440684	3	572	1	0.76	0.538
Total						18.24

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.059992017	3	631	1	7.00	12.0
9 to 16	0.059992017	3	572	1	7.00	10.9
>16	0.059992017	1	261	0.73	0.01	0.0
Total						22.84

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.027440684	3	631	1	7.00	5.5
9 to 16	0.027440684	3	572	1	7.00	5.0
>16	0.027440684	1	261	0.73	0.01	0.0
Total						10.45

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.059992017	1	261	0.73	14.01	2.4
Total						2.41

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.027440684	1	261	0.73	14.01	1.1
Total						1.10

City of San Ramon—CityWalk Master Plan EIR

Scenario 8—Proposed Phases 1-7 On-site Receptors Exposed to Construction Phases 8-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591860.28	4180059.24	0.0600	0.0600	0.01200

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1686	0.1686

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591860.28	4180059.24	0.0274	0.0274	0.00549

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1361	0.1361

592022.8	417990.02	0.00E+00	0.00E+00	8.68E+00	4.17E+00	5.09E+00	4.37E+00	5.31E+00	0.00E+00	0.00E+00	6.06E+03	5.43E+05	5.36E+05	6.17E+05	5.83E+05	7.031E+03
592022.8	418000.52	0.00E+00	0.00E+00	8.53E+00	4.32E+00	4.79E+00	4.91E+00	4.51E+00	0.00E+00	0.00E+00	6.70E+03	5.10E+05	5.03E+05	5.97E+05	5.38E+05	6.936E+03
592022.8	418010.52	0.00E+00	0.00E+00	8.52E+00	3.94E+00	4.83E+00	4.03E+00	4.94E+00	0.00E+00	0.00E+00	6.68E+03	5.13E+05	5.02E+05	5.71E+05	5.47E+05	6.893E+03
592022.8	418020.52	0.00E+00	0.00E+00	8.48E+00	3.95E+00	4.82E+00	4.05E+00	4.95E+00	0.00E+00	0.00E+00	6.65E+03	5.14E+05	5.02E+05	5.74E+05	5.44E+05	6.893E+03
592022.8	418030.52	0.00E+00	0.00E+00	8.45E+00	3.94E+00	4.81E+00	4.07E+00	4.97E+00	0.00E+00	0.00E+00	6.66E+03	5.15E+05	5.02E+05	5.76E+05	5.45E+05	6.893E+03
592022.8	418040.52	0.00E+00	0.00E+00	8.35E+00	3.93E+00	4.79E+00	4.08E+00	4.96E+00	0.00E+00	0.00E+00	6.63E+03	5.11E+05	5.02E+05	5.77E+05	5.44E+05	6.903E+03
592022.8	418050.52	0.00E+00	0.00E+00	8.27E+00	3.89E+00	4.73E+00	4.07E+00	4.93E+00	0.00E+00	0.00E+00	6.48E+03	5.07E+05	4.98E+05	5.73E+05	5.41E+05	6.893E+03
592022.8	418060.52	0.00E+00	0.00E+00	8.20E+00	3.84E+00	4.64E+00	3.71E+00	4.54E+00	0.00E+00	0.00E+00	6.43E+03	4.74E+05	4.66E+05	5.23E+05	4.98E+05	6.893E+03
592022.8	418070.52	0.00E+00	0.00E+00	8.18E+00	3.87E+00	4.67E+00	3.74E+00	4.54E+00	0.00E+00	0.00E+00	6.41E+03	4.78E+05	4.69E+05	5.29E+05	4.97E+05	6.893E+03
592022.8	418080.52	0.00E+00	0.00E+00	8.15E+00	3.86E+00	4.66E+00	3.77E+00	4.60E+00	0.00E+00	0.00E+00	6.39E+03	4.80E+05	4.71E+05	5.33E+05	5.05E+05	6.894E+03
592022.8	418090.52	0.00E+00	0.00E+00	8.10E+00	3.80E+00	4.53E+00	3.79E+00	4.61E+00	0.00E+00	0.00E+00	6.33E+03	4.81E+05	4.72E+05	5.34E+05	5.07E+05	6.903E+03
592022.8	418100.52	0.00E+00	0.00E+00	8.05E+00	3.80E+00	4.48E+00	3.80E+00	4.61E+00	0.00E+00	0.00E+00	6.31E+03	4.80E+05	4.70E+05	5.38E+05	5.08E+05	6.903E+03
592022.8	418110.52	0.00E+00	0.00E+00	7.98E+00	3.67E+00	4.47E+00	3.81E+00	4.61E+00	0.00E+00	0.00E+00	6.25E+03	4.78E+05	4.70E+05	5.39E+05	5.07E+05	6.923E+03
592022.8	418120.52	0.00E+00	0.00E+00	7.90E+00	3.65E+00	4.44E+00	3.80E+00	4.60E+00	0.00E+00	0.00E+00	6.18E+03	4.75E+05	4.66E+05	5.37E+05	5.04E+05	6.923E+03
592044.11	418030.06	0.00E+00	0.00E+00	7.78E+00	3.42E+00	4.15E+00	3.48E+00	4.21E+00	0.00E+00	0.00E+00	6.10E+03	4.45E+05	4.38E+05	4.91E+05	4.66E+05	6.280E+03
592044.11	418030.52	0.00E+00	0.00E+00	7.76E+00	3.46E+00	4.21E+00	3.51E+00	4.21E+00	0.00E+00	0.00E+00	6.08E+03	4.45E+05	4.42E+05	5.03E+05	4.74E+05	6.270E+03
592044.11	418030.52	0.00E+00	0.00E+00	7.71E+00	3.42E+00	4.16E+00	3.56E+00	4.21E+00	0.00E+00	0.00E+00	6.04E+03	4.41E+05	4.42E+05	5.04E+05	4.75E+05	6.273E+03
592044.11	418030.52	0.00E+00	0.00E+00	7.64E+00	3.45E+00	4.19E+00	3.57E+00	4.21E+00	0.00E+00	0.00E+00	5.99E+03	4.49E+05	4.46E+05	5.03E+05	4.74E+05	6.174E+03
592022.6	417994.01	0.00E+00	0.00E+00	7.58E+00	3.46E+00	4.20E+00	3.77E+00	4.54E+00	0.00E+00	0.00E+00	5.94E+03	4.61E+05	4.52E+05	5.13E+05	4.98E+05	6.138E+03
592044.11	417990.52	0.00E+00	0.00E+00	7.56E+00	3.43E+00	4.17E+00	3.56E+00	4.20E+00	0.00E+00	0.00E+00	5.93E+03	4.46E+05	4.37E+05	5.04E+05	4.72E+05	6.138E+03
592044.11	418000.52	0.00E+00	0.00E+00	7.50E+00	3.29E+00	3.92E+00	3.30E+00	4.01E+00	0.00E+00	0.00E+00	5.79E+03	4.20E+05	4.15E+05	4.67E+05	4.44E+05	5.854E+03
592022.6	417994.01	0.00E+00	0.00E+00	7.39E+00	3.44E+00	4.17E+00	3.67E+00	4.48E+00	0.00E+00	0.00E+00	5.79E+03	4.48E+05	4.48E+05	4.93E+05	4.83E+05	5.981E+03
592044.11	417994.01	0.00E+00	0.00E+00	7.35E+00	3.45E+00	4.18E+00	3.65E+00	4.45E+00	0.00E+00	0.00E+00	5.75E+03	4.42E+05	4.42E+05	4.94E+05	4.84E+05	5.854E+03
592044.11	417994.01	0.00E+00	0.00E+00	7.27E+00	3.35E+00	4.08E+00	3.55E+00	4.26E+00	0.00E+00	0.00E+00	5.70E+03	4.36E+05	4.36E+05	5.02E+05	4.67E+05	5.895E+03
592044.11	417994.01	0.00E+00	0.00E+00	7.14E+00	3.24E+00	3.92E+00	3.41E+00	4.09E+00	0.00E+00	0.00E+00	5.59E+03	4.22E+05	4.12E+05	4.88E+05	4.69E+05	5.795E+03
592022.6	417994.01	0.00E+00	0.00E+00	7.05E+00	3.26E+00	3.94E+00	3.46E+00	4.05E+00	0.00E+00	0.00E+00	5.57E+03	4.24E+05	4.24E+05	4.89E+05	4.65E+05	5.799E+03
592044.11	418004.46	0.00E+00	0.00E+00	7.07E+00	3.05E+00	3.71E+00	3.14E+00	3.80E+00	0.00E+00	0.00E+00	5.54E+03	3.98E+05	3.89E+05	4.45E+05	4.16E+05	5.797E+03
592044.11	417994.01	0.00E+00	0.00E+00	6.99E+00	3.17E+00	3.83E+00	3.15E+00	4.01E+00	0.00E+00	0.00E+00	5.48E+03	4.12E+05	4.02E+05	4.73E+05	4.40E+05	5.638E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.92E+00	3.16E+00	3.82E+00	3.16E+00	4.01E+00	0.00E+00	0.00E+00	5.42E+03	4.11E+05	4.01E+05	4.75E+05	4.41E+05	5.594E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.87E+00	3.06E+00	3.71E+00	3.22E+00	3.81E+00	0.00E+00	0.00E+00	5.38E+03	3.99E+05	3.89E+05	4.53E+05	4.23E+05	5.549E+03
592044.11	417994.01	0.00E+00	0.00E+00	6.84E+00	3.05E+00	3.70E+00	3.21E+00	3.81E+00	0.00E+00	0.00E+00	5.36E+03	4.02E+05	3.92E+05	4.54E+05	4.26E+05	5.527E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.74E+00	3.00E+00	3.63E+00	3.17E+00	3.78E+00	0.00E+00	0.00E+00	5.28E+03	3.91E+05	3.81E+05	4.47E+05	4.15E+05	5.443E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.70E+00	2.96E+00	3.59E+00	3.08E+00	3.74E+00	0.00E+00	0.00E+00	5.26E+03	3.84E+05	3.74E+05	4.36E+05	4.05E+05	5.447E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.71E+00	3.05E+00	3.69E+00	3.25E+00	3.81E+00	0.00E+00	0.00E+00	5.27E+03	3.97E+05	3.87E+05	4.59E+05	4.27E+05	5.481E+03
592044.11	417994.01	0.00E+00	0.00E+00	6.67E+00	3.00E+00	3.65E+00	3.18E+00	3.80E+00	0.00E+00	0.00E+00	5.23E+03	3.93E+05	3.83E+05	4.58E+05	4.17E+05	5.394E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.62E+00	3.01E+00	3.64E+00	3.19E+00	3.80E+00	0.00E+00	0.00E+00	5.21E+03	3.93E+05	3.83E+05	4.59E+05	4.19E+05	5.396E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.60E+00	2.99E+00	3.64E+00	3.19E+00	3.80E+00	0.00E+00	0.00E+00	5.17E+03	3.92E+05	3.82E+05	4.59E+05	4.05E+05	5.330E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.50E+00	2.85E+00	3.49E+00	3.04E+00	3.65E+00	0.00E+00	0.00E+00	5.10E+03	3.82E+05	3.72E+05	4.38E+05	3.92E+05	5.260E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.50E+00	2.80E+00	3.38E+00	3.04E+00	3.68E+00	0.00E+00	0.00E+00	5.09E+03	3.84E+05	3.73E+05	4.35E+05	3.82E+05	5.242E+03
592044.11	417994.01	0.00E+00	0.00E+00	6.50E+00	2.92E+00	3.51E+00	3.06E+00	3.65E+00	0.00E+00	0.00E+00	5.09E+03	3.79E+05	3.69E+05	4.36E+05	4.05E+05	5.244E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.45E+00	2.86E+00	3.45E+00	3.02E+00	3.60E+00	0.00E+00	0.00E+00	5.05E+03	3.73E+05	3.62E+05	4.27E+05	3.95E+05	5.260E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.39E+00	2.76E+00	3.33E+00	2.94E+00	3.50E+00	0.00E+00	0.00E+00	5.01E+03	3.68E+05	3.58E+05	4.28E+05	3.77E+05	5.161E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.37E+00	2.79E+00	3.36E+00	2.97E+00	3.53E+00	0.00E+00	0.00E+00	5.01E+03	3.70E+05	3.59E+05	4.28E+05	3.84E+05	5.165E+03
592044.11	417994.01	0.00E+00	0.00E+00	6.31E+00	2.81E+00	3.38E+00	2.99E+00	3.54E+00	0.00E+00	0.00E+00	4.98E+03	3.59E+05	3.49E+05	4.24E+05	3.96E+05	5.094E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.28E+00	2.71E+00	3.27E+00	2.84E+00	3.43E+00	0.00E+00	0.00E+00	4.93E+03	3.53E+05	3.44E+05	4.02E+05	3.71E+05	5.072E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.23E+00	2.77E+00	3.34E+00	2.93E+00	3.46E+00	0.00E+00	0.00E+00	4.91E+03	3.63E+05	3.53E+05	4.15E+05	3.94E+05	5.078E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.28E+00	2.66E+00	3.24E+00	2.76E+00	3.30E+00	0.00E+00	0.00E+00	4.92E+03	3.46E+05	3.37E+05	3.92E+05	3.62E+05	5.056E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.21E+00	2.72E+00	3.28E+00	2.87E+00	3.41E+00	0.00E+00	0.00E+00	4.89E+03	3.44E+05	3.34E+05	4.08E+05	3.79E+05	5.031E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.19E+00	2.62E+00	3.16E+00	2.78E+00	3.28E+00	0.00E+00	0.00E+00	4.84E+03	3.41E+05	3.29E+05	3.87E+05	3.57E+05	4.992E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.17E+00	2.64E+00	3.20E+00	2.79E+00	3.32E+00	0.00E+00	0.00E+00	4.83E+03	3.44E+05	3.36E+05	3.94E+05	3.64E+05	4.978E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.14E+00	2.55E+00	3.10E+00	2.64E+00	3.25E+00	0.00E+00	0.00E+00	4.81E+03	3.32E+05	3.24E+05	3.74E+05	3.46E+05	4.905E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.12E+00	2.69E+00	3.23E+00	2.84E+00	3.39E+00	0.00E+00	0.00E+00	4.79E+03	3.50E+05	3.39E+05	4.02E+05	3.72E+05	4.918E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.09E+00	2.65E+00	3.18E+00	2.80E+00	3.32E+00	0.00E+00	0.00E+00	4.77E+03	3.45E+05	3.34E+05	3.95E+05	3.65E+05	4.842E+03
592022.6	417994.01	0.00E+00	0.00E+00	6.08E+00	2.58E+00	3.11E+00	2.70E+00	3.21E+00	0.00E+00	0.00E+00	4.77E+03	3.36E+05	3.26E+05	3.85E+05	3.52E+05	4.807E+03
592022.6	41															

Scenario 9

Proposed Phases 1-8 On-site Receptors Exposed to Construction Phases 9-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 9—Proposed Phases 1-8 On-site Receptors Exposed to Construction Phases 9-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2036	Total
End of Construction	1/1/2048	—
Number of Days	4,383	4,383
Number of Hours	105,192	105,192
Number of Construction Days	3,132	3,132
Number of Construction Hours (8 hours/day)	25,056	25,056
Correction factor to account for non-continuous exposure	4.2	—

CalEEMod

Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Run 5	2032	Bishop Ranch 2600—Phases 7-14	0.0370	0.1387	2032	Bishop Ranch 2600—Phases 7-14	0.0087	0.1103
Run 5	2033	Bishop Ranch 2600—Phases 7-14	0.0156	0.0156	2033	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2034	Bishop Ranch 2600—Phases 7-14	0.0156	0.0156	2034	Bishop Ranch 2600—Phases 7-14	0.0057	0.0057
Run 5	2035	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2035	Bishop Ranch 2600—Phases 7-14	0.0049	0.0049
Run 5	2036	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2036	Bishop Ranch 2600—Phases 7-14	0.0049	0.0049
Run 5	2037	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2037	Bishop Ranch 2600—Phases 7-14	0.0049	0.0049
Run 5	2038	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2038	Bishop Ranch 2600—Phases 7-14	0.0049	0.0049
Run 5	2039	Bishop Ranch 2600—Phases 7-14	0.0096	0.0096	2039	Bishop Ranch 2600—Phases 7-14	0.0048	0.0048
Run 5	2040	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2040	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2041	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2041	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2042	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2042	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2043	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2043	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2044	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2044	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2045	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2045	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2046	Bishop Ranch 2600—Phases 7-14	0.0078	0.0078	2046	Bishop Ranch 2600—Phases 7-14	0.0046	0.0046
Run 5	2047	Bishop Ranch 2600—Phases 7-14	0.0068	0.0068	2047	Bishop Ranch 2600—Phases 7-14	0.0026	0.0026
Run 5	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	2048	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
		Total	0.1774	0.2790		Total	0.0791	0.1807

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.1774	0.2790	0.0791	0.1807
Total	0.1774	0.2790	0.0791	0.1807

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated	Unmitigated		Mitigated	Mitigated
	Onsite DPM (tons)*	Onsite PM2.5 (tons)*		Onsite DPM (tons)*	Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.1774	0.2790	Bishop Ranch 2600	0.0791	0.1807
Total	0.1774	0.2790	Total	0.0791	0.1807

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

1.774E-01 tons

Average Emission

1.610E+05 grams
1.785E-03 grams/sec
1.785E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

7.909E-02 tons

Average Emission

7.181E+04 grams
7.961E-04 grams/sec
7.961E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

2.790E-01 tons

Average Emission

2.533E+05 grams
2.809E-03 grams/sec
2.809E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

1.807E-01 tons

Average Emission

1.640E+05 grams
1.819E-03 grams/sec
1.819E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 9—Proposed Phases 1-8 On-site Receptors Exposed to Construction Phases 9-14

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

		Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5
Start of Construction		1/1/2036																			
End of Construction		1/1/2048																			
Number of Days		4,383																			
Number of Hours		105,192																			
Number of Construction Days		3,132																			
Number of Construction Hours (8 hours/day)		25,056																			
		Total																			
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		4,383																			
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9918134	4180354	0.00E+00	0.00E+00	1.51E+01	3.55E+00	4.45E+00	4.55E+00	4.14E+00	0.00E+00	4.23E+02	2.88E+03	2.91E+03	3.04E+03	2.88E+03	3.59E+02
9918134	4180344	0.00E+00	0.00E+00	1.51E+01	3.48E+00	4.38E+00	4.48E+00	4.07E+00	0.00E+00	4.23E+02	2.88E+03	2.91E+03	3.04E+03	2.88E+03	3.59E+02
9918134	4180334	0.00E+00	0.00E+00	1.50E+01	3.41E+00	4.21E+00	4.31E+00	3.96E+00	0.00E+00	4.23E+02	2.87E+03	2.90E+03	2.97E+03	2.87E+03	3.58E+02
9918134	4180324	0.00E+00	0.00E+00	1.50E+01	3.34E+00	4.04E+00	4.14E+00	3.85E+00	0.00E+00	4.23E+02	2.87E+03	2.90E+03	2.97E+03	2.87E+03	3.58E+02
9918134	4180314	0.00E+00	0.00E+00	1.50E+01	3.27E+00	3.87E+00	3.97E+00	3.74E+00	0.00E+00	4.23E+02	2.86E+03	2.89E+03	2.96E+03	2.86E+03	3.57E+02
9918134	4180304	0.00E+00	0.00E+00	1.50E+01	3.20E+00	3.70E+00	3.80E+00	3.63E+00	0.00E+00	4.23E+02	2.86E+03	2.89E+03	2.96E+03	2.86E+03	3.57E+02
9918134	4180294	0.00E+00	0.00E+00	1.50E+01	3.13E+00	3.53E+00	3.63E+00	3.46E+00	0.00E+00	4.23E+02	2.85E+03	2.88E+03	2.95E+03	2.85E+03	3.56E+02
9918134	4180284	0.00E+00	0.00E+00	1.50E+01	3.06E+00	3.36E+00	3.46E+00	3.30E+00	0.00E+00	4.23E+02	2.85E+03	2.88E+03	2.95E+03	2.85E+03	3.56E+02
9918134	4180274	0.00E+00	0.00E+00	1.50E+01	2.99E+00	3.19E+00	3.29E+00	3.13E+00	0.00E+00	4.23E+02	2.84E+03	2.87E+03	2.94E+03	2.84E+03	3.55E+02
9918134	4180264	0.00E+00	0.00E+00	1.50E+01	2.92E+00	3.02E+00	3.12E+00	2.96E+00	0.00E+00	4.23E+02	2.84E+03	2.87E+03	2.94E+03	2.84E+03	3.55E+02
9918134	4180254	0.00E+00	0.00E+00	1.50E+01	2.85E+00	2.85E+00	2.95E+00	2.79E+00	0.00E+00	4.23E+02	2.83E+03	2.86E+03	2.93E+03	2.83E+03	3.54E+02
9918134	4180244	0.00E+00	0.00E+00	1.50E+01	2.78E+00	2.68E+00	2.78E+00	2.62E+00	0.00E+00	4.23E+02	2.83E+03	2.86E+03	2.93E+03	2.83E+03	3.54E+02
9918134	4180234	0.00E+00	0.00E+00	1.50E+01	2.71E+00	2.51E+00	2.61E+00	2.45E+00	0.00E+00	4.23E+02	2.82E+03	2.85E+03	2.92E+03	2.82E+03	3.53E+02
9918134	4180224	0.00E+00	0.00E+00	1.50E+01	2.64E+00	2.34E+00	2.44E+00	2.28E+00	0.00E+00	4.23E+02	2.82E+03	2.85E+03	2.92E+03	2.82E+03	3.53E+02
9918134	4180214	0.00E+00	0.00E+00	1.50E+01	2.57E+00	2.17E+00	2.27E+00	2.11E+00	0.00E+00	4.23E+02	2.81E+03	2.84E+03	2.91E+03	2.81E+03	3.52E+02
9918134	4180204	0.00E+00	0.00E+00	1.50E+01	2.50E+00	2.00E+00	2.10E+00	1.94E+00	0.00E+00	4.23E+02	2.81E+03	2.84E+03	2.91E+03	2.81E+03	3.52E+02
9918134	4180194	0.00E+00	0.00E+00	1.50E+01	2.43E+00	1.83E+00	1.93E+00	1.77E+00	0.00E+00	4.23E+02	2.80E+03	2.83E+03	2.90E+03	2.80E+03	3.51E+02
9918134	4180184	0.00E+00	0.00E+00	1.50E+01	2.36E+00	1.66E+00	1.76E+00	1.60E+00	0.00E+00	4.23E+02	2.80E+03	2.83E+03	2.90E+03	2.80E+03	3.51E+02
9918134	4180174	0.00E+00	0.00E+00	1.50E+01	2.29E+00	1.49E+00	1.59E+00	1.43E+00	0.00E+00	4.23E+02	2.79E+03	2.82E+03	2.89E+03	2.79E+03	3.50E+02
9918134	4180164	0.00E+00	0.00E+00	1.50E+01	2.22E+00	1.32E+00	1.42E+00	1.26E+00	0.00E+00	4.23E+02	2.79E+03	2.82E+03	2.89E+03	2.79E+03	3.50E+02
9918134	4180154	0.00E+00	0.00E+00	1.50E+01	2.15E+00	1.15E+00	1.25E+00	1.09E+00	0.00E+00	4.23E+02	2.78E+03	2.81E+03	2.88E+03	2.78E+03	3.49E+02
9918134	4180144	0.00E+00	0.00E+00	1.50E+01	2.08E+00	9.8E+00	1.08E+00	9.2E+00	0.00E+00	4.23E+02	2.78E+03	2.81E+03	2.88E+03	2.78E+03	3.49E+02
9918134	4180134	0.00E+00	0.00E+00	1.50E+01	2.01E+00	8.1E+00	9.1E+00	7.5E+00	0.00E+00	4.23E+02	2.77E+03	2.80E+03	2.87E+03	2.77E+03	3.48E+02
9918134	4180124	0.00E+00	0.00E+00	1.50E+01	1.94E+00	6.4E+00	7.4E+00	5.8E+00	0.00E+00	4.23E+02	2.77E+03	2.80E+03	2.87E+03	2.77E+03	3.48E+02
9918134	4180114	0.00E+00	0.00E+00	1.50E+01	1.87E+00	4.7E+00	5.7E+00	4.1E+00	0.00E+00	4.23E+02	2.76E+03	2.79E+03	2.86E+03	2.76E+03	3.47E+02
9918134	4180104	0.00E+00	0.00E+00	1.50E+01	1.80E+00	3.0E+00	4.0E+00	2.4E+00	0.00E+00	4.23E+02	2.76E+03	2.79E+03	2.86E+03	2.76E+03	3.47E+02
9918134	4180094	0.00E+00	0.00E+00	1.50E+01	1.73E+00	1.3E+00	2.3E+00	7.0E+00	0.00E+00	4.23E+02	2.75E+03	2.78E+03	2.85E+03	2.75E+03	3.46E+02
9918134	4180084	0.00E+00	0.00E+00	1.50E+01	1.66E+00	-0.4E+00	1.6E+00	0.0E+00	0.00E+00	4.23E+02	2.75E+03	2.78E+03	2.85E+03	2.75E+03	3.46E+02
9918134	4180074	0.00E+00	0.00E+00	1.50E+01	1.59E+00	-2.1E+00	9.0E+00	-6.7E+00	0.00E+00	4.23E+02	2.74E+03	2.77E+03	2.84E+03	2.74E+03	3.45E+02
9918134	4180064	0.00E+00	0.00E+00	1.50E+01	1.52E+00	-3.8E+00	2.0E+00	-1.4E+00	0.00E+00	4.23E+02	2.74E+03	2.77E+03	2.84E+03	2.74E+03	3.45E+02
9918134	4180054	0.00E+00	0.00E+00	1.50E+01	1.45E+00	-5.5E+00	3.0E+00	-3.1E+00	0.00E+00	4.23E+02	2.73E+03	2.76E+03	2.83E+03	2.73E+03	3.44E+02
9918134	4180044	0.00E+00	0.00E+00	1.50E+01	1.38E+00	-7.2E+00	4.0E+00	-4.8E+00	0.00E+00	4.23E+02	2.73E+03	2.76E+03	2.83E+03	2.73E+03	3.44E+02
9918134	4180034	0.00E+00	0.00E+00	1.50E+01	1.31E+00	-8.9E+00	5.0E+00	-6.5E+00	0.00E+00	4.23E+02	2.72E+03	2.75E+03	2.82E+03	2.72E+03	3.43E+02
9918134	4180024	0.00E+00	0.00E+00	1.50E+01	1.24E+00	-10.6E+00	6.0E+00	-8.2E+00	0.00E+00	4.23E+02	2.72E+03	2.75E+03	2.82E+03	2.72E+03	3.43E+02
9918134	4180014	0.00E+00	0.00E+00	1.50E+01	1.17E+00	-12.3E+00	7.0E+00	-9.9E+00	0.00E+00	4.23E+02	2.71E+03	2.74E+03	2.81E+03	2.71E+03	3.42E+02
9918134	4180004	0.00E+00	0.00E+00	1.50E+01	1.10E+00	-14.0E+00	8.0E+00	-11.6E+00	0.00E+00	4.23E+02	2.71E+03	2.74E+03	2.81E+03	2.71E+03	3.42E+02
9918134	4179994	0.00E+00	0.00E+00	1.50E+01	1.03E+00	-15.7E+00	9.0E+00	-13.3E+00	0.00E+00	4.23E+02	2.70E+03	2.73E+03	2.80E+03	2.70E+03	3.41E+02
9918134	4179984	0.00E+00	0.00E+00	1.50E+01	9.6E+00	-17.4E+00	1.0E+00	-15.0E+00	0.00E+00	4.23E+02	2.70E+03	2.73E+03	2.80E+03	2.70E+03	3.41E+02
9918134	4179974	0.00E+00	0.00E+00	1.50E+01	8.9E+00	-19.1E+00	2.0E+00	-16.7E+00	0.00E+00	4.23E+02	2.69E+03	2.72E+03	2.79E+03	2.69E+03	3.40E+02
9918134	4179964	0.00E+00	0.00E+00	1.50E+01	8.2E+00	-20.8E+00	3.0E+00	-18.4E+00	0.00E+00	4.23E+02	2.69E+03	2.72E+03	2.79E+03	2.69E+03	3.40E+02
9918134	4179954	0.00E+00	0.00E+00	1.50E+01	7.5E+00	-22.5E+00	4.0E+00	-20.1E+00	0.00E+00	4.23E+02	2.68E+03	2.71E+03	2.78E+03	2.68E+03	3.39E+02
9918134	4179944	0.00E+00	0.00E+00	1.50E+01	6.8E+00	-24.2E+00	5.0E+00	-21.8E+00	0.00E+00	4.23E+02	2.68E+03	2.71E+03	2.78E+03	2.68E+03	3.39E+02
9918134	4179934	0.00E+00	0.00E+00	1.50E+01	6.1E+00	-25.9E+00	6.0E+00	-23.5E+00	0.00E+00	4.23E+02	2.67E+03	2.70E+03	2.77E+03	2.67E+03	3.38E+02
9918134	4179924	0.00E+00	0.00E+00	1.50E+01	5.4E+00	-27.6E+00	7.0E+00	-25.2E+00	0.00E+00	4.23E+02	2.67E+03	2.70E+03	2.77E+03	2.67E+03	3.38E+02
9918134	4179914	0.00E+00	0.00E+00	1.50E+01	4.7E+00	-29.3E+00	8.0E+00	-26.9E+00	0.00E+00	4.23E+02	2.66E+03	2.69E+03	2.76E+03	2.66E+03	3.37E+02
9918134	4179904	0.00E+00	0.00E+00	1.50E+01	4.0E+00	-31.0E+00	9.0E+00	-28.6E+00	0.00E+00	4.23E+02	2.66E+03	2.69E+03	2.76E+03	2.66E+03	3.37E+02
9918134	4179894	0.00E+00	0.00E+00	1.50E+01	3.3E+00	-32.7E+00	1.0E+00	-30.3E+00	0.00E+00	4.23E+02	2.65E+03	2.68E+03	2.75E+03	2.65E+03	3.36E+02
9918134	4179884	0.00E+00	0.00E+00	1.50E+01	2.6E+00	-34.4E+00	2.0E+00	-32.0E+00	0.00E+00	4.23E+02	2.65E+03	2.68E+03	2.75E+03	2.65E+03	3.36E+02
9918134	4179874	0.00E+00	0.00E+00	1.50E+01	1.9E+00	-36.1E+00	3.0E+00	-33.7E+00	0.00E+00	4.23E+02	2.64E+03	2.67E+03	2.74E+03	2.64E+03	3.35E+02
9918134	4179864	0.00E+00	0.00E+00	1.50E+01	1.2E+00	-37.8E+00	4.0E+00	-35.4E+00	0.00E+00	4.23E+02	2.64E+03	2.67E+03	2.74E+03	2.64E+03	3.35E+02
9918134	4179854	0.00E+00	0.00E+00	1.50E+01	5.0E+00	-39.5E+00	5.0E+00	-37.1E+00	0.00E+00	4.23E+02	2.63E+03	2.66E+03	2.73E+03	2.63E+03	3.34E+02
9918134	4179844	0.00E+00	0.00E+00	1.50E+01	4.3E+00	-41.2E+00	6.0E+00	-38.8E+00	0.00E+00	4.23E+02	2.63E+03	2.66E+03	2.73E+03	2.63E+03	3.34E+02
9918134	4179834	0.00E+00	0.00E+00	1.50E+01	3.6E+00	-42.9E+00	7.0E+00	-40.5E+00	0.00E+00	4.23E+02	2.62E+03	2.65E+03	2.72E+03	2.62E+03	3.33E+02
9918134	4179824	0.00E+00	0.00E+00	1.50E+01	2.9E+00	-44.6E+00	8.0E+00	-42.2E+00	0.00E+00	4.23E+02	2.62E+03	2.65E+03	2.72E+03	2.62E+03	3.33E+02
9918134	4179814	0.00E+00	0.00E+00	1.50E+01	2.2E+00	-46.3E+00	9.0E+00	-43.9E+00	0.00E+00	4.23E+02	2.61E+03	2.64E+03	2.71E+03	2.61E+03	3.32E+02
9918134	4179804	0.00E+00	0.00E+00	1.50E+01	1.5E+00	-48.0E+00	1.0E+00	-45.6E+00	0.00E+00	4.23E+02	2.61E+03	2.64E+03	2.71E+03	2.61E+03	3.32E+02
9918134	4179794	0.00E+00	0.00E+00	1.50E+01	8.0E+00	-49.7E+00	2.0E+00	-47.3E+00	0.00E+00	4.23E+02	2.60E+03	2.63E+03	2.70E+03	2.60E+03	3.31E+02
9918134	4179784	0.00E+00	0.00E+00	1.50E+01	7.3E+00	-51.4E+00	3.0E+00	-49.0E+00	0.00E+00	4.23E+02	2.60E+03	2.63E+03	2.70E+03	2.60E+03	3.31E+02
9918134	4179774	0.00E+00	0.00E+00	1.50E+01	6.6E+00	-53.1E+00	4.0E+00	-50.7E+00	0.00E+00	4.23E+02	2.59E+03	2.62E+03	2.69E+03	2.59E+03</	

Cancer Risk Calculations Using OEHH/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 9—Proposed Phases 1-8 On-site Receptors Exposed to Construction Phases 9-14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591331.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency: 350 days/year
 Averaging Period: 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.081669967	10	361	1	0.25	1.111
0-1	0.081669967	10	1,090	1	1.00	13.414
1-<2	0.081669967	10	1,090	1	1.00	13.414
2-<3	0.081669967	3	631	1	1.00	2.330
3-<4	0.081669967	3	631	1	1.00	2.330
4-<5	0.081669967	3	631	1	1.00	2.330
5-<6	0.081669967	3	631	1	1.00	2.330
6-<7	0.081669967	3	631	1	1.00	2.330
7-<8	0.081669967	3	631	1	1.00	2.330
8-<9	0.081669967	3	631	1	1.00	2.330
9-<10	0.081669967	3	572	1	1.00	2.112
10-<11	0.081669967	3	572	1	1.00	2.112
11-<12	0.081669967	3	572	1	0.76	1.601
Total						50.07

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.036425989	10	361	1	0.25	0.495
0-1	0.036425989	10	1,090	1	1.00	5.983
1-<2	0.036425989	10	1,090	1	1.00	5.983
2-<3	0.036425989	3	631	1	1.00	1.039
3-<4	0.036425989	3	631	1	1.00	1.039
4-<5	0.036425989	3	631	1	1.00	1.039
5-<6	0.036425989	3	631	1	1.00	1.039
6-<7	0.036425989	3	631	1	1.00	1.039
7-<8	0.036425989	3	631	1	1.00	1.039
8-<9	0.036425989	3	631	1	1.00	1.039
9-<10	0.036425989	3	572	1	1.00	0.942
10-<11	0.036425989	3	572	1	1.00	0.942
11-<12	0.036425989	3	572	1	0.76	0.714
Total						22.33

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591331.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency: 350 days/year
 Averaging Period: 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.081669967	3	631	1	7.00	16.3
9 to 16	0.081669967	3	572	1	5.01	10.6
Total						26.88

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.036425989	3	631	1	7.00	7.3
9 to 16	0.036425989	3	572	1	5.01	4.7
Total						11.99

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591331.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency: 350 days/year
 Averaging Period: 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.081669967	1	261	0.73	12.01	2.8
Total						2.82

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.036425989	1	261	0.73	12.01	1.3
Total						1.26

City of San Ramon—CityWalk Master Plan EIR

Scenario 9—Proposed Phases 1-8 On-site Receptors Exposed to Construction Phases 9-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591331.43	4180489.25	0.0817	0.0817	0.01633

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1701	0.1701

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591331.43	4180489.25	0.0364	0.0364	0.00729

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1374	0.1374

Scenario 10

Proposed Phases 1-9 On-site Receptors Exposed to Construction Phases 10-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 10—Proposed Phases 1-9 On-site Receptors Exposed to Construction Phases 10-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2038	Total
End of Construction	1/1/2048	—
Number of Days	3,652	3,652
Number of Hours	87,648	87,648
Number of Construction Days	2,609	2,609
Number of Construction Hours (8 hours/day)	20,872	20,872
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0238	0.0890	Bishop Ranch 2600—Phases 7-14	0.0056	0.0708
Bishop Ranch 2600—Phases 7-14	0.0100	0.0100	Bishop Ranch 2600—Phases 7-14	0.0037	0.0037
Bishop Ranch 2600—Phases 7-14	0.0100	0.0100	Bishop Ranch 2600—Phases 7-14	0.0037	0.0037
Bishop Ranch 2600—Phases 7-14	0.0061	0.0061	Bishop Ranch 2600—Phases 7-14	0.0031	0.0031
Bishop Ranch 2600—Phases 7-14	0.0061	0.0061	Bishop Ranch 2600—Phases 7-14	0.0031	0.0031
Bishop Ranch 2600—Phases 7-14	0.0061	0.0061	Bishop Ranch 2600—Phases 7-14	0.0031	0.0031
Bishop Ranch 2600—Phases 7-14	0.0061	0.0061	Bishop Ranch 2600—Phases 7-14	0.0031	0.0031
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0050	0.0050	Bishop Ranch 2600—Phases 7-14	0.0029	0.0029
Bishop Ranch 2600—Phases 7-14	0.0043	0.0043	Bishop Ranch 2600—Phases 7-14	0.0017	0.0017
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.1139	0.1791	Total	0.0508	0.1160

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000			0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000			0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000			0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000			0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.1139	0.1791			0.0508	0.1160
Total	0.1139	0.1791			0.0508	0.1160

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
	Bishop Ranch 1A	0.0000		0.0000	Bishop Ranch 1A
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.1139	0.1791	Bishop Ranch 2600	0.0508	0.1160
Total	0.1139	0.1791	Total	0.0508	0.1160

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	1.139E-01 tons	Total Mitigated DPM (On-site)	5.077E-02 tons
Average Emission	1.034E+05 grams 1.376E-03 grams/sec 1.376E-03 grams/m2-sec	Average Emission	4.610E+04 grams 6.136E-04 grams/sec 6.136E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.791E-01 tons	Total Mitigated PM2.5 (On-site)	1.160E-01 tons
Average Emission	1.626E+05 grams 2.165E-03 grams/sec 2.165E-03 grams/m2-sec	Average Emission	1.053E+05 grams 1.402E-03 grams/sec 1.402E-03 grams/m2-sec

59139137	4180799.8	0.00E+00	0.00E+00	5.67E+00	3.20E+00	1.99E+00	8.80E-01	9.55E-01	0.00E+00	0.00E+00	7.80E-03	3.27E-05	1.63E-05	9.75E-05	8.20E-06	7.8666E-03
59139137	4180809.8	0.00E+00	0.00E+00	5.60E+00	4.44E+00	2.53E+00	1.03E+00	1.15E+00	0.00E+00	0.00E+00	7.75E-03	4.53E-05	2.07E-05	1.18E-05	9.85E-06	7.7099E-03
59139137	4180669.8	0.00E+00	0.00E+00	5.59E+00	6.08E+00	3.17E+00	1.36E+00	1.36E+00	0.00E+00	0.00E+00	7.68E-03	6.20E-05	2.60E-05	1.40E-05	1.16E-05	7.8038E-03
59139137	4180779.8	0.00E+00	0.00E+00	5.55E+00	3.46E+00	2.12E+00	9.24E-01	1.08E+00	0.00E+00	0.00E+00	7.64E-03	5.50E-05	1.70E-05	1.02E-05	8.61E-06	7.7149E-03
59139137	4180679.8	0.00E+00	0.00E+00	5.45E+00	5.50E+00	2.89E+00	1.39E+00	1.28E+00	0.00E+00	0.00E+00	7.58E-03	5.55E-05	2.41E-05	1.31E-05	1.05E-05	7.6515E-03
59139137	4180699.8	0.00E+00	0.00E+00	5.40E+00	4.91E+00	2.72E+00	1.13E+00	1.21E+00	0.00E+00	0.00E+00	7.56E-03	5.00E-05	2.22E-05	1.16E-05	1.04E-05	7.611E-03
59139137	4180729.8	0.00E+00	0.00E+00	5.42E+00	3.82E+00	2.27E+00	9.71E-01	1.02E+00	0.00E+00	0.00E+00	7.45E-03	3.86E-05	1.87E-05	1.08E-05	9.05E-06	7.5117E-03
59139137	4180709.8	0.00E+00	0.00E+00	5.24E+00	4.20E+00	2.44E+00	1.02E+00	1.11E+00	0.00E+00	0.00E+00	7.24E-03	4.28E-05	2.00E-05	1.33E-05	9.53E-06	7.3265E-03
59139137	4180791.7	0.00E+00	0.00E+00	5.19E+00	3.33E+00	2.06E+00	8.51E-01	9.34E-01	0.00E+00	0.00E+00	7.14E-03	3.30E-05	1.70E-05	9.87E-06	8.36E-06	7.2005E-03
59139137	4180679.8	0.00E+00	0.00E+00	5.15E+00	5.70E+00	3.04E+00	1.31E+00	1.30E+00	0.00E+00	0.00E+00	7.08E-03	5.81E-05	2.51E-05	1.14E-05	1.12E-05	7.1900E-03
59139137	4180699.8	0.00E+00	0.00E+00	5.11E+00	4.18E+00	2.61E+00	1.17E+00	1.08E+00	0.00E+00	0.00E+00	7.06E-03	4.71E-05	2.16E-05	1.19E-05	1.00E-05	7.1517E-03
59139137	4180669.8	0.00E+00	0.00E+00	5.11E+00	5.11E+00	2.81E+00	1.14E+00	1.29E+00	0.00E+00	0.00E+00	7.05E-03	5.22E-05	2.16E-05	1.26E-05	1.06E-05	7.1241E-03
59139137	4180729.8	0.00E+00	0.00E+00	5.09E+00	3.62E+00	2.20E+00	9.33E-01	1.03E+00	0.00E+00	0.00E+00	7.01E-03	3.88E-05	1.91E-05	1.03E-05	8.76E-06	7.0794E-03
59139137	4180779.8	0.00E+00	0.00E+00	4.97E+00	3.96E+00	2.36E+00	9.81E-01	1.07E+00	0.00E+00	0.00E+00	6.98E-03	4.04E-05	1.94E-05	1.09E-05	9.21E-06	6.9513E-03
59139137	4180679.8	0.00E+00	0.00E+00	4.88E+00	5.96E+00	3.19E+00	1.22E+00	1.31E+00	0.00E+00	0.00E+00	6.71E-03	6.08E-05	2.62E-05	1.31E-05	1.14E-05	6.8251E-03
59139137	4180709.8	0.00E+00	0.00E+00	4.85E+00	4.36E+00	2.51E+00	1.03E+00	1.11E+00	0.00E+00	0.00E+00	6.67E-03	4.44E-05	2.08E-05	1.14E-05	9.70E-06	6.712E-03
59139137	4180669.8	0.00E+00	0.00E+00	4.81E+00	5.34E+00	2.95E+00	1.15E+00	1.24E+00	0.00E+00	0.00E+00	6.61E-03	5.45E-05	2.42E-05	1.28E-05	1.08E-05	6.7172E-03
59139137	4180699.8	0.00E+00	0.00E+00	4.80E+00	4.82E+00	2.73E+00	1.09E+00	1.14E+00	0.00E+00	0.00E+00	6.60E-03	4.91E-05	2.24E-05	1.21E-05	1.02E-05	6.681E-03
59139137	4180729.8	0.00E+00	0.00E+00	4.79E+00	3.76E+00	2.38E+00	9.82E-01	1.04E+00	0.00E+00	0.00E+00	6.47E-03	3.81E-05	1.87E-05	1.04E-05	8.91E-06	6.642E-03
59139137	4180709.8	0.00E+00	0.00E+00	4.69E+00	4.11E+00	2.44E+00	9.91E-01	1.09E+00	0.00E+00	0.00E+00	6.33E-03	4.19E-05	2.01E-05	1.10E-05	9.37E-06	6.4162E-03
59139137	4180669.8	0.00E+00	0.00E+00	4.57E+00	5.57E+00	3.07E+00	1.17E+00	1.26E+00	0.00E+00	0.00E+00	6.29E-03	5.69E-05	2.52E-05	1.29E-05	1.10E-05	6.3995E-03
59139137	4180709.8	0.00E+00	0.00E+00	4.55E+00	4.33E+00	2.61E+00	1.04E+00	1.15E+00	0.00E+00	0.00E+00	6.26E-03	4.61E-05	2.16E-05	1.16E-05	9.87E-06	6.3126E-03
59139137	4180669.8	0.00E+00	0.00E+00	4.54E+00	5.44E+00	2.94E+00	1.10E+00	1.21E+00	0.00E+00	0.00E+00	6.24E-03	5.11E-05	2.32E-05	1.22E-05	1.04E-05	6.3002E-03
59139137	4180729.8	0.00E+00	0.00E+00	4.34E+00	4.25E+00	2.53E+00	1.00E+00	1.11E+00	0.00E+00	0.00E+00	5.97E-03	4.13E-05	2.08E-05	1.11E-05	9.53E-06	6.0516E-03
59139137	4180699.8	0.00E+00	0.00E+00	4.33E+00	5.21E+00	2.95E+00	1.11E+00	1.21E+00	0.00E+00	0.00E+00	5.96E-03	5.31E-05	2.48E-05	1.23E-05	1.00E-05	6.0717E-03
59139137	4180709.8	0.00E+00	0.00E+00	4.32E+00	4.70E+00	2.78E+00	1.05E+00	1.12E+00	0.00E+00	0.00E+00	5.94E-03	4.79E-05	2.44E-05	1.17E-05	1.00E-05	6.0296E-03
59139137	4180699.8	0.00E+00	0.00E+00	4.16E+00	5.41E+00	3.07E+00	1.12E+00	1.26E+00	0.00E+00	0.00E+00	5.73E-03	5.51E-05	2.52E-05	1.25E-05	1.08E-05	5.8121E-03
59139137	4180709.8	0.00E+00	0.00E+00	4.13E+00	4.87E+00	2.84E+00	1.05E+00	1.16E+00	0.00E+00	0.00E+00	5.68E-03	4.96E-05	2.33E-05	1.18E-05	1.02E-05	5.7709E-03

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Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
City of San Ramon—CityWalk Master Plan EIR
Scenario 10—Proposed Phases 1-9 On-site Receptors Exposed to Construction Phases 10-14
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.143461335	10	361	1	0.25	1.951
0-1	0.143461335	10	1,090	1	1.00	23.563
1-<2	0.143461335	10	1,090	1	1.00	23.563
2-<3	0.143461335	3	631	1	1.00	4.092
3-<4	0.143461335	3	631	1	1.00	4.092
4-<5	0.143461335	3	631	1	1.00	4.092
5-<6	0.143461335	3	631	1	1.00	4.092
6-<7	0.143461335	3	631	1	1.00	4.092
7-<8	0.143461335	3	631	1	1.00	4.092
8-<9	0.143461335	3	631	1	1.00	4.092
9-<10	0.143461335	3	572	1	0.76	2.802
Total						80.52

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.063991045	10	361	1	0.25	0.870
0-1	0.063991045	10	1,090	1	1.00	10.510
1-<2	0.063991045	10	1,090	1	1.00	10.510
2-<3	0.063991045	3	631	1	1.00	1.825
3-<4	0.063991045	3	631	1	1.00	1.825
4-<5	0.063991045	3	631	1	1.00	1.825
5-<6	0.063991045	3	631	1	1.00	1.825
6-<7	0.063991045	3	631	1	1.00	1.825
7-<8	0.063991045	3	631	1	1.00	1.825
8-<9	0.063991045	3	631	1	1.00	1.825
9-<10	0.063991045	3	572	1	0.76	1.250
Total						35.92

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.143461335	3	631	1	7.00	28.6
9 to 16	0.143461335	3	572	1	3.01	11.1
Total						39.79

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.063991045	3	631	1	7.00	12.8
9 to 16	0.063991045	3	572	1	3.01	5.0
Total						17.75

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 591860.28 4180059.24

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.143461335	1	261	0.73	10.01	4.1
Total						4.12

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.063991045	1	261	0.73	10.01	1.8
Total						1.84

City of San Ramon—CityWalk Master Plan EIR

Scenario 10—Proposed Phases 1-9 On-site Receptors Exposed to Construction Phases 10-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591860.28	4180059.24	0.1435	0.1435	0.02869

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.2276	0.2276

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591860.28	4180059.24	0.0640	0.0640	0.01280

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.1481	0.1481

59139137	4180799.8	0.00E+00	0.00E+00	5.67E+00	3.20E+00	1.99E+00	8.80E-01	9.55E-01	0.00E+00	0.00E+00	3.44E-03	3.27E-05	1.63E-05	9.75E-06	8.20E-06	3.56E-03
59139137	4180809.8	0.00E+00	0.00E+00	5.60E+00	4.44E+00	2.52E+00	1.07E+00	1.15E+00	0.00E+00	0.00E+00	3.44E-03	4.33E-05	2.07E-05	1.18E-05	8.95E-06	3.53E-03
59139137	4180859.8	0.00E+00	0.00E+00	5.99E+00	6.08E+00	3.17E+00	1.26E+00	1.35E+00	0.00E+00	0.00E+00	3.43E-03	6.20E-05	2.66E-05	1.40E-05	1.16E-05	3.54E-03
59139137	4180799.8	0.00E+00	0.00E+00	5.55E+00	3.40E+00	2.12E+00	9.24E-01	1.05E+00	0.00E+00	0.00E+00	3.41E-03	5.50E-05	1.76E-05	1.02E-05	8.61E-06	3.48E-03
59139137	4180879.8	0.00E+00	0.00E+00	5.50E+00	5.45E+00	2.93E+00	1.09E+00	1.28E+00	0.00E+00	0.00E+00	3.37E-03	5.55E-05	2.42E-05	1.25E-05	1.30E-05	3.47E-03
59139137	4180869.8	0.00E+00	0.00E+00	5.49E+00	4.91E+00	2.72E+00	1.13E+00	1.21E+00	0.00E+00	0.00E+00	3.37E-03	5.00E-05	2.22E-05	1.23E-05	1.04E-05	3.46E-03
59139137	4180799.8	0.00E+00	0.00E+00	5.42E+00	3.82E+00	2.27E+00	9.73E-01	1.05E+00	0.00E+00	0.00E+00	3.32E-03	3.89E-05	1.87E-05	1.08E-05	8.05E-06	3.45E-03
59139137	4180799.8	0.00E+00	0.00E+00	5.26E+00	4.20E+00	2.44E+00	1.02E+00	1.11E+00	0.00E+00	0.00E+00	3.23E-03	4.28E-05	2.00E-05	1.13E-05	9.53E-06	3.33E-03
59139137	4180799.8	0.00E+00	0.00E+00	5.19E+00	3.33E+00	2.06E+00	8.92E-01	9.74E-01	0.00E+00	0.00E+00	3.18E-03	3.39E-05	1.76E-05	9.87E-06	8.36E-06	3.23E-03
59139137	4180879.8	0.00E+00	0.00E+00	5.15E+00	5.70E+00	3.06E+00	1.21E+00	1.30E+00	0.00E+00	0.00E+00	3.16E-03	5.81E-05	2.51E-05	1.33E-05	1.12E-05	3.29E-03
59139137	4180809.8	0.00E+00	0.00E+00	5.13E+00	4.43E+00	2.63E+00	1.08E+00	1.17E+00	0.00E+00	0.00E+00	3.15E-03	4.72E-05	2.18E-05	1.18E-05	1.00E-05	3.24E-03
59139137	4180809.8	0.00E+00	0.00E+00	5.11E+00	5.12E+00	2.81E+00	1.14E+00	1.21E+00	0.00E+00	0.00E+00	3.13E-03	5.22E-05	2.32E-05	1.26E-05	1.10E-05	3.21E-03
59139137	4180729.8	0.00E+00	0.00E+00	5.09E+00	3.62E+00	2.20E+00	9.33E-01	1.02E+00	0.00E+00	0.00E+00	3.12E-03	4.88E-05	1.81E-05	1.03E-05	8.76E-06	3.19E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.97E+00	3.96E+00	1.97E+00	9.81E-01	1.07E+00	0.00E+00	0.00E+00	3.05E-03	4.04E-05	1.69E-05	1.09E-05	9.21E-06	3.12E-03
59139137	4180879.8	0.00E+00	0.00E+00	4.88E+00	5.96E+00	3.19E+00	1.22E+00	1.31E+00	0.00E+00	0.00E+00	2.99E-03	6.08E-05	2.62E-05	1.33E-05	1.14E-05	3.10E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.85E+00	4.36E+00	2.53E+00	1.09E+00	1.18E+00	0.00E+00	0.00E+00	2.98E-03	4.44E-05	2.05E-05	1.14E-05	9.70E-06	3.02E-03
59139137	4180889.8	0.00E+00	0.00E+00	4.81E+00	5.34E+00	2.95E+00	1.15E+00	1.26E+00	0.00E+00	0.00E+00	2.95E-03	5.45E-05	2.42E-05	1.28E-05	1.08E-05	3.02E-03
59139137	4180809.8	0.00E+00	0.00E+00	4.80E+00	4.82E+00	2.73E+00	1.09E+00	1.18E+00	0.00E+00	0.00E+00	2.93E-03	4.91E-05	2.26E-05	1.21E-05	1.02E-05	3.01E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.79E+00	3.74E+00	2.28E+00	9.42E-01	1.04E+00	0.00E+00	0.00E+00	2.88E-03	3.81E-05	1.87E-05	1.04E-05	8.91E-06	2.99E-03
59139137	4180729.8	0.00E+00	0.00E+00	4.60E+00	4.11E+00	2.44E+00	9.91E-01	1.09E+00	0.00E+00	0.00E+00	2.81E-03	4.19E-05	2.02E-05	1.10E-05	9.37E-06	2.90E-03
59139137	4180889.8	0.00E+00	0.00E+00	4.57E+00	5.57E+00	3.07E+00	1.17E+00	1.26E+00	0.00E+00	0.00E+00	2.81E-03	5.69E-05	2.53E-05	1.29E-05	1.10E-05	2.91E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.55E+00	4.33E+00	2.63E+00	1.04E+00	1.15E+00	0.00E+00	0.00E+00	2.79E-03	4.61E-05	2.16E-05	1.16E-05	9.87E-06	2.88E-03
59139137	4180809.8	0.00E+00	0.00E+00	4.54E+00	5.01E+00	2.94E+00	1.10E+00	1.21E+00	0.00E+00	0.00E+00	2.79E-03	5.11E-05	2.33E-05	1.22E-05	1.04E-05	2.88E-03
59139137	4180719.8	0.00E+00	0.00E+00	4.34E+00	4.25E+00	2.53E+00	1.00E+00	1.11E+00	0.00E+00	0.00E+00	2.66E-03	4.33E-05	2.08E-05	1.11E-05	9.53E-06	2.74E-03
59139137	4180809.8	0.00E+00	0.00E+00	4.33E+00	5.21E+00	2.93E+00	1.11E+00	1.19E+00	0.00E+00	0.00E+00	2.66E-03	5.31E-05	2.42E-05	1.23E-05	1.05E-05	2.79E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.32E+00	4.70E+00	2.78E+00	1.05E+00	1.13E+00	0.00E+00	0.00E+00	2.65E-03	4.79E-05	2.24E-05	1.17E-05	1.00E-05	2.73E-03
59139137	4180889.8	0.00E+00	0.00E+00	4.16E+00	5.41E+00	3.07E+00	1.12E+00	1.24E+00	0.00E+00	0.00E+00	2.53E-03	5.51E-05	2.52E-05	1.25E-05	1.08E-05	2.68E-03
59139137	4180799.8	0.00E+00	0.00E+00	4.13E+00	4.87E+00	2.84E+00	1.06E+00	1.16E+00	0.00E+00	0.00E+00	2.51E-03	4.94E-05	2.33E-05	1.18E-05	1.02E-05	2.62E-03

CONJUNT g/m³
n=3

591393.07	4180799.8	0.00E+00	0.00E+00	5.67E+00	3.20E+00	1.99E+00	8.80E-01	9.55E-01	0.00E+00	0.00E+00	7.94E-03	2.00E-03	1.00E-03	5.98E-04	5.03E-04	1.205E-02
591393.07	418099.8	0.00E+00	0.00E+00	5.60E+00	4.44E+00	2.53E+00	1.07E+00	1.15E+00	0.00E+00	0.00E+00	7.85E-03	2.78E-03	1.27E-03	7.24E-04	6.06E-04	6.06E-04
591333.07	418059.8	0.00E+00	0.00E+00	5.59E+00	6.08E+00	3.17E+00	1.36E+00	1.35E+00	0.00E+00	0.00E+00	7.84E-03	1.80E-03	1.60E-03	8.57E-04	7.11E-04	1.479E-02
591383.07	418079.8	0.00E+00	0.00E+00	5.55E+00	3.49E+00	2.12E+00	9.24E-01	1.05E+00	0.00E+00	0.00E+00	7.79E-03	2.18E-03	1.07E-03	6.27E-04	5.28E-04	1.219E-02
591343.07	418059.8	0.00E+00	0.00E+00	5.45E+00	2.89E+00	2.89E+00	1.28E+00	1.28E+00	0.00E+00	0.00E+00	7.76E-03	3.40E-03	1.48E-03	8.08E-04	6.73E-04	1.404E-02
591353.07	418099.8	0.00E+00	0.00E+00	5.40E+00	4.93E+00	2.72E+00	1.13E+00	1.23E+00	0.00E+00	0.00E+00	7.76E-03	3.07E-03	1.37E-03	7.64E-04	6.37E-04	1.334E-02
591373.07	418079.8	0.00E+00	0.00E+00	5.40E+00	4.42E+00	2.72E+00	9.71E-01	1.05E+00	0.00E+00	0.00E+00	7.59E-03	2.39E-03	1.15E-03	6.59E-04	5.55E-04	1.234E-02
591363.07	418079.8	0.00E+00	0.00E+00	5.26E+00	4.20E+00	2.44E+00	1.02E+00	1.13E+00	0.00E+00	0.00E+00	7.38E-03	2.62E-03	1.23E-03	6.94E-04	5.84E-04	1.263E-02
591382.42	418079.17	0.00E+00	0.00E+00	5.19E+00	3.13E+00	2.66E+00	8.51E-01	9.74E-01	0.00E+00	0.00E+00	7.27E-03	2.08E-03	1.04E-03	6.05E-04	5.13E-04	1.169E-02
591333.07	4180679.8	0.00E+00	0.00E+00	5.15E+00	5.70E+00	3.06E+00	1.21E+00	1.30E+00	0.00E+00	0.00E+00	7.21E-03	1.56E-03	1.54E-03	8.18E-04	6.86E-04	1.382E-02
591333.07	418099.8	0.00E+00	0.00E+00	5.13E+00	4.13E+00	2.62E+00	1.08E+00	1.17E+00	0.00E+00	0.00E+00	7.20E-03	2.89E-03	1.32E-03	7.32E-04	6.10E-04	1.273E-02
591343.07	418069.8	0.00E+00	0.00E+00	5.11E+00	5.12E+00	2.83E+00	1.14E+00	1.25E+00	0.00E+00	0.00E+00	7.16E-03	1.20E-03	1.42E-03	7.71E-04	6.50E-04	1.305E-02
591373.07	418079.8	0.00E+00	0.00E+00	5.09E+00	3.62E+00	2.20E+00	9.33E-01	1.02E+00	0.00E+00	0.00E+00	7.14E-03	2.26E-03	1.11E-03	6.33E-04	5.37E-04	1.1674E-02
591363.07	418079.8	0.00E+00	0.00E+00	4.97E+00	3.96E+00	2.16E+00	9.81E-01	1.07E+00	0.00E+00	0.00E+00	6.96E-03	2.48E-03	1.19E-03	6.66E-04	5.65E-04	1.195E-02
591323.07	4180679.8	0.00E+00	0.00E+00	4.88E+00	3.19E+00	1.22E+00	1.22E+00	1.33E+00	0.00E+00	0.00E+00	6.84E-03	1.73E-03	1.61E-03	8.28E-04	7.00E-04	1.370E-02
591353.07	4180799.8	0.00E+00	0.00E+00	4.85E+00	4.36E+00	2.13E+00	1.03E+00	1.13E+00	0.00E+00	0.00E+00	6.80E-03	2.77E-03	1.28E-03	7.02E-04	5.95E-04	1.299E-02
591333.07	418069.8	0.00E+00	0.00E+00	4.81E+00	5.34E+00	2.95E+00	1.15E+00	1.24E+00	0.00E+00	0.00E+00	6.74E-03	1.34E-03	1.48E-03	7.82E-04	6.62E-04	1.3007E-02
591343.07	418099.8	0.00E+00	0.00E+00	4.80E+00	4.12E+00	2.73E+00	1.09E+00	1.18E+00	0.00E+00	0.00E+00	6.73E-03	1.01E-03	1.37E-03	7.60E-04	6.27E-04	1.2479E-02
591363.07	418079.8	0.00E+00	0.00E+00	4.79E+00	3.76E+00	2.38E+00	9.43E-01	1.04E+00	0.00E+00	0.00E+00	6.59E-03	2.36E-03	1.15E-03	6.40E-04	5.46E-04	1.193E-02
591353.07	418079.8	0.00E+00	0.00E+00	4.60E+00	4.11E+00	2.44E+00	1.09E+00	1.09E+00	0.00E+00	0.00E+00	6.45E-03	2.37E-03	1.23E-03	6.73E-04	5.75E-04	1.1498E-02
591333.07	418069.8	0.00E+00	0.00E+00	4.57E+00	3.07E+00	1.07E+00	1.23E+00	1.23E+00	0.00E+00	0.00E+00	6.41E-03	1.46E-03	1.55E-03	7.91E-04	6.75E-04	1.2090E-02
591343.07	418079.8	0.00E+00	0.00E+00	4.55E+00	4.13E+00	2.63E+00	1.04E+00	1.15E+00	0.00E+00	0.00E+00	6.38E-03	2.83E-03	1.13E-03	7.09E-04	6.05E-04	1.1849E-02
591333.07	418099.8	0.00E+00	0.00E+00	4.54E+00	5.17E+00	2.84E+00	1.10E+00	1.21E+00	0.00E+00	0.00E+00	6.36E-03	1.15E-03	1.42E-03	7.80E-04	6.39E-04	1.2107E-02
591343.07	418079.8	0.00E+00	0.00E+00	4.34E+00	2.53E+00	1.00E+00	1.00E+00	1.14E+00	0.00E+00	0.00E+00	6.08E-03	2.66E-03	1.28E-03	6.79E-04	5.84E-04	1.1277E-02
591323.07	418099.8	0.00E+00	0.00E+00	4.33E+00	2.95E+00	1.11E+00	1.11E+00	1.23E+00	0.00E+00	0.00E+00	6.07E-03	1.26E-03	1.49E-03	7.56E-04	6.50E-04	1.2217E-02
591333.07	4180799.8	0.00E+00	0.00E+00	4.32E+00	4.70E+00	2.73E+00	1.05E+00	1.17E+00	0.00E+00	0.00E+00	6.05E-03	2.93E-03	1.38E-03	7.16E-04	6.16E-04	1.191E-02
591313.07	4180699.8	0.00E+00	0.00E+00	4.16E+00	5.43E+00	3.07E+00	1.12E+00	1.26E+00	0.00E+00	0.00E+00	5.84E-03	3.38E-03	1.55E-03	7.64E-04	6.62E-04	1.230E-02
591323.07	4180799.8	0.00E+00	0.00E+00	4.13E+00	4.87E+00	2.84E+00	1.05E+00	1.13E+00	0.00E+00	0.00E+00	5.78E-03	3.04E-03	1.43E-03	7.23E-04	6.17E-04	1.1603E-02
CONJUNIT #/m ³																
CONJUNIT #/m ³																

Scenario 11

Proposed Phases 1-10 On-site Receptors Exposed to Construction Phases 11-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 11—Proposed Phases 1-10 On-site Receptors Exposed to Construction Phases 11-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2040	Total
End of Construction	1/1/2048	—
Number of Days	2,922	2,922
Number of Hours	70,128	70,128
Number of Construction Days	2,088	2,088
Number of Construction Hours (8 hours/day)	16,704	16,704
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0177	0.0664	Bishop Ranch 2600—Phases 7-14	0.0042	0.0528
Bishop Ranch 2600—Phases 7-14	0.0075	0.0075	Bishop Ranch 2600—Phases 7-14	0.0027	0.0027
Bishop Ranch 2600—Phases 7-14	0.0075	0.0075	Bishop Ranch 2600—Phases 7-14	0.0027	0.0027
Bishop Ranch 2600—Phases 7-14	0.0046	0.0046	Bishop Ranch 2600—Phases 7-14	0.0023	0.0023
Bishop Ranch 2600—Phases 7-14	0.0046	0.0046	Bishop Ranch 2600—Phases 7-14	0.0023	0.0023
Bishop Ranch 2600—Phases 7-14	0.0046	0.0046	Bishop Ranch 2600—Phases 7-14	0.0023	0.0023
Bishop Ranch 2600—Phases 7-14	0.0046	0.0046	Bishop Ranch 2600—Phases 7-14	0.0023	0.0023
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0037	0.0037	Bishop Ranch 2600—Phases 7-14	0.0022	0.0022
Bishop Ranch 2600—Phases 7-14	0.0032	0.0032	Bishop Ranch 2600—Phases 7-14	0.0012	0.0012
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.0850	0.1337	Total	0.0379	0.0865

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.0850	0.1337	0.0379	0.0865
Total	0.0850	0.1337	0.0379	0.0865

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.0850	0.1337	Bishop Ranch 2600	0.0379	0.0865
Total	0.0850	0.1337	Total	0.0379	0.0865

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	8.496E-02 tons	Total Mitigated DPM (On-site)	3.788E-02 tons
Average Emission	7.714E+04 grams 1.283E-03 grams/sec 1.283E-03 grams/m2-sec	Average Emission	3.440E+04 grams 5.720E-04 grams/sec 5.720E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.337E-01 tons	Total Mitigated PM2.5 (On-site)	8.654E-02 tons
Average Emission	1.214E+05 grams 2.018E-03 grams/sec 2.018E-03 grams/m2-sec	Average Emission	7.858E+04 grams 1.307E-03 grams/sec 1.307E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 11—Proposed Phases 1-10 On-site Receptors Exposed to Construction Phases 11-14

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

		1/1/2040					1/1/2048													Total
		1/1/2048													2,922					
		70,128													70,128					
		2,088													2,088					
		16,704													16,704					
		Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5			
	Start of Construction	1/1/2040													—					
	End of Construction	1/1/2048													—					
	Number of Days	2,922													2,922					
	Number of Hours	70,128													70,128					
	Number of Construction Days	2,088													2,088					
	Number of Construction Hours (8 hours/day)	16,704													16,704					
	Construction Trip Type	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14	Bishop Ranch 2600—Phases 7-14			
DPM	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
DPM	Vendor Truck	0.00165	0.00396	0.00392	0.00388	0.00388	0.00388	0.00388	0.00388	0.00376	0.00376	0.00376	0.00376	0.00376	0.00376	0.00376	0.00376			
DPM	Worker	0.00240	0.00543	0.00508	0.00477	0.00477	0.00477	0.00477	0.00477	0.00370	0.00370	0.00370	0.00370	0.00370	0.00370	0.00370	0.00370			
DPM	Total	0.00405	0.00935	0.00896	0.00865	0.00865	0.00865	0.00865	0.00865	0.00745	0.00745	0.00745	0.00745	0.00745	0.00745	0.00745	0.00745			
PM2.5 Total	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
PM2.5 Total	Vendor Truck	0.04594	0.11159	0.11155	0.11194	0.11194	0.11194	0.11194	0.11194	0.11182	0.11182	0.11182	0.11182	0.11182	0.11182	0.11182	0.11182			
PM2.5 Total	Worker	0.18330	0.44185	0.44151	0.44286	0.44286	0.44286	0.44286	0.44286	0.44119	0.44119	0.44119	0.44119	0.44119	0.44119	0.44119	0.44119			
PM2.5 Total	Total	0.22923	0.55344	0.55306	0.55480	0.55480	0.55480	0.55480	0.55480	0.55267	0.55267	0.55267	0.55267	0.55267	0.55267	0.55267	0.55267			
	Total DPM	0.000E+00	5.572E-02	6.254E-02	1.183E-01	1.182E-01	1.183E-01	1.183E-01	1.183E-01	1.629E-00	1.629E-00	1.629E-00	1.629E-00	1.629E-00	1.629E-00	1.629E-00	1.629E-00			
	Average Emissions	0.000E+00	5.059E+04	5.679E+04	2.249E-04	2.249E-04	2.249E-04	2.249E-04	2.249E-04	0.000E+00	1.479E+06	5.884E+06	8.109E+00	8.109E+00	8.109E+00	8.109E+00	8.109E+00			
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8						20	7.3	10.8								
	Vehicle Travel Distances in the Construction HRA (miles)																			
	Route 1	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79			
	Route 2	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63			
	Route 3	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86			
	Route 4	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66			
	Trip Distribution (percent)																			
	Route 1	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 2	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 3	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Route 4	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%			
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)																			
	Route 1	0.000E+00	5.405E-06	4.100E-06	9.505E-06	9.505E-06	9.505E-06	9.505E-06	9.505E-06	0.000E+00	1.580E-04	4.249E-04	5.829E-04	5.829E-04	5.829E-04	5.829E-04	5.829E-04			
	Route 2	0.000E+00	4.356E-06	3.305E-06	7.661E-06	7.661E-06	7.661E-06	7.661E-06	7.661E-06	0.000E+00	1.274E-04	3.424E-04	4.698E-04	4.698E-04	4.698E-04	4.698E-04	4.698E-04			
	Route 3	0.000E+00	5.871E-06	4.454E-06	1.032E-05	1.032E-05	1.032E-05	1.032E-05	1.032E-05	0.000E+00	1.716E-04	4.515E-04	6.331E-04	6.331E-04	6.331E-04	6.331E-04	6.331E-04			
	Route 4	0.000E+00	4.554E-06	3.455E-06	8.009E-06	8.009E-06	8.009E-06	8.009E-06	8.009E-06	0.000E+00	1.331E-04	3.580E-04	4.911E-04	4.911E-04	4.911E-04	4.911E-04	4.911E-04			

591992.8	4180031.52	0.00E+00	0.00E+00	2.32E+00	4.95E+00	6.02E+00	5.11E+00	6.28E+00	0.00E+00	0.00E+00	4.68E+03	2.87E+03	2.83E+03	3.24E+03	3.09E+03	1.670E+02
592002.8	4180031.52	0.00E+00	0.00E+00	2.32E+00	4.95E+00	5.56E+00	4.68E+00	5.76E+00	0.00E+00	0.00E+00	4.66E+03	2.86E+03	2.83E+03	3.24E+03	3.09E+03	1.670E+02
591992.8	4180030.52	0.00E+00	0.00E+00	2.30E+00	4.88E+00	5.99E+00	5.12E+00	6.27E+00	0.00E+00	0.00E+00	4.64E+03	2.85E+03	2.81E+03	3.24E+03	3.08E+03	1.662E+02
591992.8	4179997.52	0.00E+00	0.00E+00	2.30E+00	4.84E+00	5.67E+00	4.62E+00	5.70E+00	0.00E+00	0.00E+00	4.64E+03	2.85E+03	2.81E+03	3.23E+03	3.08E+03	1.662E+02
592002.8	4180031.52	0.00E+00	0.00E+00	2.29E+00	4.88E+00	5.58E+00	4.70E+00	5.77E+00	0.00E+00	0.00E+00	4.63E+03	2.84E+03	2.82E+03	3.24E+03	3.08E+03	1.671E+02
591972.4	4179997.52	0.00E+00	0.00E+00	2.29E+00	4.84E+00	5.66E+00	5.70E+00	5.74E+00	0.00E+00	0.00E+00	4.62E+03	2.83E+03	2.81E+03	3.24E+03	3.08E+03	1.762E+02
592022.8	4180042.52	0.00E+00	0.00E+00	2.28E+00	4.28E+00	5.14E+00	4.31E+00	5.38E+00	0.00E+00	0.00E+00	4.60E+03	2.82E+03	2.81E+03	3.23E+03	3.07E+03	1.636E+02
592002.8	4180031.52	0.00E+00	0.00E+00	2.28E+00	4.55E+00	5.57E+00	4.72E+00	5.78E+00	0.00E+00	0.00E+00	4.59E+03	2.82E+03	2.81E+03	3.24E+03	3.08E+03	1.669E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.27E+00	4.22E+00	5.16E+00	4.33E+00	5.39E+00	0.00E+00	0.00E+00	4.57E+03	2.81E+03	2.80E+03	3.24E+03	3.07E+03	1.643E+02
592002.8	4180030.52	0.00E+00	0.00E+00	2.26E+00	4.51E+00	5.57E+00	4.73E+00	5.78E+00	0.00E+00	0.00E+00	4.56E+03	2.80E+03	2.80E+03	3.24E+03	3.08E+03	1.652E+02
591982.2	4179981.81	0.00E+00	0.00E+00	2.26E+00	4.82E+00	6.03E+00	5.12E+00	6.49E+00	0.00E+00	0.00E+00	4.56E+03	2.81E+03	2.81E+03	3.23E+03	3.07E+03	1.681E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.26E+00	4.38E+00	5.17E+00	4.36E+00	5.43E+00	0.00E+00	0.00E+00	4.54E+03	2.81E+03	2.76E+03	3.24E+03	3.07E+03	1.621E+02
592002.8	4179990.52	0.00E+00	0.00E+00	2.24E+00	4.48E+00	5.48E+00	4.71E+00	5.74E+00	0.00E+00	0.00E+00	4.52E+03	2.81E+03	2.77E+03	3.24E+03	3.08E+03	1.551E+02
592022.8	4180041.52	0.00E+00	0.00E+00	2.24E+00	3.92E+00	4.79E+00	4.02E+00	5.10E+00	0.00E+00	0.00E+00	4.51E+03	2.81E+03	2.76E+03	3.24E+03	3.07E+03	1.611E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.24E+00	4.21E+00	5.17E+00	4.38E+00	5.47E+00	0.00E+00	0.00E+00	4.51E+03	2.81E+03	2.77E+03	3.24E+03	3.08E+03	1.480E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.23E+00	3.94E+00	4.81E+00	4.03E+00	5.12E+00	0.00E+00	0.00E+00	4.49E+03	2.80E+03	2.76E+03	3.24E+03	3.07E+03	1.623E+02
592002.8	4179980.52	0.00E+00	0.00E+00	2.22E+00	4.42E+00	5.40E+00	4.67E+00	5.68E+00	0.00E+00	0.00E+00	4.48E+03	2.80E+03	2.75E+03	3.24E+03	3.08E+03	1.533E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.22E+00	4.21E+00	5.14E+00	4.38E+00	5.46E+00	0.00E+00	0.00E+00	4.48E+03	2.80E+03	2.77E+03	3.24E+03	3.07E+03	1.474E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.21E+00	3.95E+00	4.82E+00	4.05E+00	5.15E+00	0.00E+00	0.00E+00	4.46E+03	2.80E+03	2.76E+03	3.24E+03	3.07E+03	1.493E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.20E+00	3.64E+00	4.44E+00	3.71E+00	4.54E+00	0.00E+00	0.00E+00	4.45E+03	2.80E+03	2.76E+03	3.24E+03	3.07E+03	1.347E+02
592022.8	4179989.52	0.00E+00	0.00E+00	2.20E+00	4.17E+00	4.99E+00	4.43E+00	5.40E+00	0.00E+00	0.00E+00	4.44E+03	2.80E+03	2.76E+03	3.24E+03	3.07E+03	1.621E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.20E+00	3.94E+00	4.81E+00	4.07E+00	5.17E+00	0.00E+00	0.00E+00	4.43E+03	2.80E+03	2.76E+03	3.24E+03	3.07E+03	1.402E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.19E+00	3.67E+00	4.47E+00	3.74E+00	4.57E+00	0.00E+00	0.00E+00	4.42E+03	2.80E+03	2.75E+03	3.24E+03	3.07E+03	1.423E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.18E+00	3.68E+00	4.49E+00	3.77E+00	4.60E+00	0.00E+00	0.00E+00	4.41E+03	2.80E+03	2.75E+03	3.24E+03	3.07E+03	1.331E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.18E+00	3.93E+00	4.79E+00	4.02E+00	5.10E+00	0.00E+00	0.00E+00	4.40E+03	2.80E+03	2.75E+03	3.24E+03	3.07E+03	1.395E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.17E+00	3.59E+00	4.79E+00	3.79E+00	4.62E+00	0.00E+00	0.00E+00	4.38E+03	2.80E+03	2.75E+03	3.24E+03	3.07E+03	1.279E+02
592022.8	4179990.52	0.00E+00	0.00E+00	2.16E+00	3.89E+00	4.75E+00	4.07E+00	4.93E+00	0.00E+00	0.00E+00	4.36E+03	2.77E+03	2.73E+03	3.24E+03	3.07E+03	1.386E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.16E+00	3.68E+00	4.49E+00	4.03E+00	4.82E+00	0.00E+00	0.00E+00	4.35E+03	2.77E+03	2.73E+03	3.24E+03	3.07E+03	1.278E+02
592044.1	4180036.06	0.00E+00	0.00E+00	2.14E+00	3.42E+00	4.16E+00	3.48E+00	4.25E+00	0.00E+00	0.00E+00	4.33E+03	2.76E+03	2.71E+03	3.24E+03	3.07E+03	1.257E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.14E+00	3.67E+00	4.47E+00	3.81E+00	4.63E+00	0.00E+00	0.00E+00	4.32E+03	2.76E+03	2.70E+03	3.24E+03	3.07E+03	1.326E+02
592022.8	4180031.52	0.00E+00	0.00E+00	2.13E+00	3.46E+00	4.21E+00	3.55E+00	4.32E+00	0.00E+00	0.00E+00	4.30E+03	2.75E+03	2.70E+03	3.24E+03	3.07E+03	1.267E+02
592022.8	4179990.52	0.00E+00	0.00E+00	2.13E+00	3.65E+00	4.46E+00	4.00E+00	4.60E+00	0.00E+00	0.00E+00	4.29E+03	2.75E+03	2.70E+03	3.24E+03	3.07E+03	1.317E+02
592042.8	4180031.52	0.00E+00	0.00E+00	2.12E+00	3.46E+00	4.24E+00	3.56E+00	4.33E+00	0.00E+00	0.00E+00	4.28E+03	2.75E+03	2.70E+03	3.24E+03	3.07E+03	1.260E+02
592042.8	4180030.52	0.00E+00	0.00E+00	2.12E+00	3.41E+00	4.19E+00	3.57E+00	4.33E+00	0.00E+00	0.00E+00	4.26E+03	2.75E+03	2.70E+03	3.24E+03	3.07E+03	1.261E+02
592042.8	4179990.52	0.00E+00	0.00E+00	2.11E+00	3.45E+00	4.17E+00	3.56E+00	4.30E+00	0.00E+00	0.00E+00	4.25E+03	2.75E+03	2.70E+03	3.24E+03	3.07E+03	1.254E+02
592054.6	4180018.42	0.00E+00	0.00E+00	2.09E+00	3.02E+00	3.70E+00	3.30E+00	4.01E+00	0.00E+00	0.00E+00	4.21E+03	2.74E+03	2.68E+03	3.24E+03	3.07E+03	1.198E+02
592022.8	4180030.52	0.00E+00	0.00E+00	2.07E+00	3.25E+00	3.94E+00	3.52E+00	4.02E+00	0.00E+00	0.00E+00	4.17E+03	2.74E+03	2.65E+03	3.24E+03	3.07E+03	1.203E+02
592022.8	4179944.01	0.00E+00	0.00E+00	2.07E+00	3.54E+00	4.30E+00	3.77E+00	4.56E+00	0.00E+00	0.00E+00	4.17E+03	2.74E+03	2.69E+03	3.24E+03	3.07E+03	1.247E+02
592022.8	4179934.01	0.00E+00	0.00E+00	2.04E+00	3.44E+00	4.17E+00	3.67E+00	4.42E+00	0.00E+00	0.00E+00	4.12E+03	2.73E+03	2.69E+03	3.24E+03	3.07E+03	1.257E+02
592033.6	4180036.06	0.00E+00	0.00E+00	2.04E+00	3.08E+00	3.72E+00	3.39E+00	4.09E+00	0.00E+00	0.00E+00	4.12E+03	2.73E+03	2.68E+03	3.24E+03	3.07E+03	1.149E+02
592033.6	4179944.01	0.00E+00	0.00E+00	2.03E+00	3.35E+00	4.23E+00	3.55E+00	4.26E+00	0.00E+00	0.00E+00	4.10E+03	2.73E+03	2.65E+03	3.24E+03	3.07E+03	1.230E+02
592033.6	4179934.01	0.00E+00	0.00E+00	2.02E+00	3.24E+00	4.02E+00	3.45E+00	4.09E+00	0.00E+00	0.00E+00	4.08E+03	2.73E+03	2.64E+03	3.24E+03	3.07E+03	1.198E+02
592033.6	4179934.01	0.00E+00	0.00E+00	2.02E+00	3.48E+00	4.16E+00	3.65E+00	4.35E+00	0.00E+00	0.00E+00	4.08E+03	2.73E+03	2.65E+03	3.24E+03	3.07E+03	1.247E+02
592043.6	4179944.01	0.00E+00	0.00E+00	2.00E+00	3.17E+00	3.83E+00	3.35E+00	4.02E+00	0.00E+00	0.00E+00	4.04E+03	2.72E+03	2.63E+03	3.24E+03	3.07E+03	1.177E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.99E+00	3.06E+00	3.71E+00	3.24E+00	3.92E+00	0.00E+00	0.00E+00	4.02E+03	2.72E+03	2.62E+03	3.24E+03	3.07E+03	1.147E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.98E+00	3.18E+00	3.82E+00	3.36E+00	4.02E+00	0.00E+00	0.00E+00	4.01E+03	2.72E+03	2.61E+03	3.24E+03	3.07E+03	1.174E+02
592043.6	4179944.01	0.00E+00	0.00E+00	1.98E+00	3.08E+00	3.73E+00	3.27E+00	3.92E+00	0.00E+00	0.00E+00	4.00E+03	2.72E+03	2.61E+03	3.24E+03	3.07E+03	1.147E+02
592033.6	4179944.01	0.00E+00	0.00E+00	1.98E+00	3.17E+00	3.84E+00	3.37E+00	4.02E+00	0.00E+00	0.00E+00	4.00E+03	2.72E+03	2.61E+03	3.24E+03	3.07E+03	1.144E+02
592033.6	4179944.01	0.00E+00	0.00E+00	1.97E+00	3.06E+00	3.69E+00	3.16E+00	3.78E+00	0.00E+00	0.00E+00	3.97E+03	2.72E+03	2.60E+03	3.24E+03	3.07E+03	1.129E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.95E+00	3.05E+00	3.69E+00	3.16E+00	3.78E+00	0.00E+00	0.00E+00	3.96E+03	2.72E+03	2.60E+03	3.24E+03	3.07E+03	1.143E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.94E+00	2.90E+00	3.51E+00	3.03E+00	3.63E+00	0.00E+00	0.00E+00	3.95E+03	2.72E+03	2.59E+03	3.24E+03	3.07E+03	1.100E+02
592043.6	4179934.01	0.00E+00	0.00E+00	1.94E+00	3.02E+00	3.69E+00	3.18E+00	3.80E+00	0.00E+00	0.00E+00	3.95E+03	2.72E+03	2.59E+03	3.24E+03	3.07E+03	1.147E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.94E+00	2.91E+00	3.54E+00	3.03E+00	3.66E+00	0.00E+00	0.00E+00	3.94E+03	2.72E+03	2.59E+03	3.24E+03	3.07E+03	1.108E+02
592033.6	4179934.01	0.00E+00	0.00E+00	1.94E+00	3.08E+00	3.73E+00	3.19E+00	3.82E+00	0.00E+00	0.00E+00	3.94E+03	2.72E+03	2.59E+03	3.24E+03	3.07E+03	

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 591311.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.018868466	10	361	1	0.25	0.257
0-1	0.018868466	10	1,090	1	1.00	3.099
1-<2	0.018868466	10	1,090	1	1.00	3.099
2-<3	0.018868466	3	631	1	1.00	0.538
3-<4	0.018868466	3	631	1	1.00	0.538
4-<5	0.018868466	3	631	1	1.00	0.538
5-<6	0.018868466	3	631	1	1.00	0.538
6-<7	0.018868466	3	631	1	1.00	0.538
7-<8	0.018868466	3	631	1	0.76	0.407
Total					8.01	9.55

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
3rd Trimester	0.008418862	10	361	1	0.25	0.114
0-1	0.008418862	10	1,090	1	1.00	1.383
1-<2	0.008418862	10	1,090	1	1.00	1.383
2-<3	0.008418862	3	631	1	1.00	0.240
3-<4	0.008418862	3	631	1	1.00	0.240
4-<5	0.008418862	3	631	1	1.00	0.240
5-<6	0.008418862	3	631	1	1.00	0.240
6-<7	0.008418862	3	631	1	1.00	0.240
7-<8	0.008418862	3	631	1	0.76	0.181
Total						4.26

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
 UTM: 591311.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.018868466	3	631	1	7.00	3.8
9 to 16	0.018868466	3	572	1	1.01	0.5
Total					8.01	4.26

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
2 to 9	0.008418862	3	631	1	7.00	1.7
9 to 16	0.008418862	3	572	1	1.01	0.2
Total						1.90

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
 UTM: 591311.43 4180489.25

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
 Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.018868466	1	261	0.73	8.01	0.4
Total						0.43

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM		Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	Concentration (ug/m3)	Age Sensitivity Factor				
>16	0.008418862	1	261	0.73	8.01	0.2
Total						0.19

City of San Ramon—CityWalk Master Plan EIR

Scenario 11—Proposed Phases 1-10 On-site Receptors Exposed to Construction Phases 11-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591311.43	4180489.25	0.0189	0.0189	0.00377

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.0620	0.0620

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
591311.43	4180489.25	0.0084	0.0084	0.00168

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
591860.28	4180059.24	0.0598	0.0598

Scenario 12

Proposed Phases 1-11 On-site Receptors Exposed to Construction Phases 12-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 12—Proposed Phases 1-11 On-site Receptors Exposed to Construction Phases 12-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2042	Total
End of Construction	1/1/2048	—
Number of Days	2,191	2,191
Number of Hours	52,584	52,584
Number of Construction Days	1,566	1,566
Number of Construction Hours (8 hours/day)	12,528	12,528
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated	Unmitigated	On-site Construction Activity	Mitigated	Mitigated
	Onsite DPM (tons)	Onsite PM2.5 (tons)		Onsite DPM (tons)	Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0115	0.0432	Bishop Ranch 2600—Phases 7-14	0.0027	0.0344
Bishop Ranch 2600—Phases 7-14	0.0049	0.0049	Bishop Ranch 2600—Phases 7-14	0.0018	0.0018
Bishop Ranch 2600—Phases 7-14	0.0049	0.0049	Bishop Ranch 2600—Phases 7-14	0.0018	0.0018
Bishop Ranch 2600—Phases 7-14	0.0030	0.0030	Bishop Ranch 2600—Phases 7-14	0.0015	0.0015
Bishop Ranch 2600—Phases 7-14	0.0030	0.0030	Bishop Ranch 2600—Phases 7-14	0.0015	0.0015
Bishop Ranch 2600—Phases 7-14	0.0030	0.0030	Bishop Ranch 2600—Phases 7-14	0.0015	0.0015
Bishop Ranch 2600—Phases 7-14	0.0030	0.0030	Bishop Ranch 2600—Phases 7-14	0.0015	0.0015
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0024	0.0024	Bishop Ranch 2600—Phases 7-14	0.0014	0.0014
Bishop Ranch 2600—Phases 7-14	0.0021	0.0021	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.0553	0.0869	Total	0.0246	0.0563

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.0553	0.0869	0.0246	0.0563
Total	0.0553	0.0869	0.0246	0.0563

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated Onsite DPM (tons)*	Unmitigated Onsite PM2.5 (tons)*		Mitigated Onsite DPM (tons)*	Mitigated Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.0553	0.0869	Bishop Ranch 2600	0.0246	0.0563
Total	0.0553	0.0869	Total	0.0246	0.0563

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	5.526E-02 tons
Average Emission	5.017E+04 grams 1.113E-03 grams/sec 1.113E-03 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	8.693E-02 tons
Average Emission	7.893E+04 grams 1.750E-03 grams/sec 1.750E-03 grams/m2-sec

Total Mitigated DPM (On-site)	2.464E-02 tons
Average Emission	2.237E+04 grams 4.961E-04 grams/sec 4.961E-04 grams/m2-sec
Total Mitigated PM2.5 (On-site)	5.629E-02 tons
Average Emission	5.111E+04 grams 1.133E-03 grams/sec 1.133E-03 grams/m2-sec

City of San Ramon—CityWalk Master Plan EIR

Scenario 12—Proposed Phases 1-11 On-site Receptors Exposed to Construction Phases 12-14

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	Start of Construction	1/1/2042	Total															
	End of Construction	1/1/2048	—															
	Number of Days	2,191	2,191															
	Number of Hours	52,584	52,584															
	Number of Construction Days	1,566	1,566															
	Number of Construction Hours (8 hours/day)	12,528	12,528															
	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	Run 5	
	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	
	2600—Phases	2600—Phases	2600—Phases	2600—Phase	2600—Phases	Bishop Ranch 2600—Phases 7-	Bishop Ranch 2600—Phases 7-	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	Bishop Ranch	
	7-14	7-14	7-14	s 7-14	7-14	14	14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phases 7-14	2600—Phase	2600—Phase	
	14	14	s 7-14	s 7-14	s 7-14	14	14	14	14	14	14	14	14	14	14	14	14	
DPM	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
DPM	Vendor Truck	0.00107	0.00257	0.00255	0.00252	0.00252	0.00252	0.00251	0.00245	0.00245	0.00245	0.00245	0.00245	0.00241	0.00241	0.00241	0.00241	
DPM	Worker	0.00156	0.00353	0.00331	0.00310	0.00310	0.00310	0.00308	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	
DPM	Total	0.00263	0.00608	0.00583	0.00563	0.00563	0.00563	0.00560	0.00485	0.00485	0.00485	0.00485	0.00485	0.00485	0.00485	0.00485	0.00485	
PM2.5 Total	Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
PM2.5 Total	Vendor Truck	0.02988	0.07258	0.07256	0.07281	0.07309	0.07281	0.07253	0.07273	0.07273	0.07273	0.07273	0.07273	0.07273	0.07273	0.07243	0.07271	
PM2.5 Total	Worker	0.11922	0.28740	0.28717	0.28805	0.28916	0.28805	0.28697	0.28737	0.28737	0.28737	0.28737	0.28737	0.28737	0.28737	0.28598	0.28707	
PM2.5 Total	Total	0.14910	0.35998	0.35973	0.36086	0.36225	0.36086	0.35947	0.36010	0.36010	0.36010	0.36010	0.36010	0.36010	0.36010	0.35841	0.35978	
	Haul Truck (tons)	0.000E+00	3.624E-02	4.068E-02	7.692E-02	7.688E-02	7.688E-02	7.688E-02	1.060E+00	1.060E+00	1.060E+00	1.060E+00	1.060E+00	1.060E+00	1.060E+00	1.060E+00	1.060E+00	
	Vendor Truck (tons)	0.000E+00	3.291E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	
	Worker (tons)	0.000E+00	1.738E-04	1.951E-04	1.951E-04	1.951E-04	1.951E-04	1.951E-04	2.022E-02	2.022E-02	2.022E-02	2.022E-02	2.022E-02	2.022E-02	2.022E-02	2.022E-02	2.022E-02	
	Total (tons)	0.000E+00	3.291E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	
	Checking Total	0.000E+00	3.291E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	
	Checking Total	0.000E+00	3.291E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	3.694E+04	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	4.215E+00	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	10.8	10.8	10.8	10.8	20	20	20	20	20	20	20	20	20	
	Route 1	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
	Route 2	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
	Route 3	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	
	Route 4	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	
	Route 1	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
	Route 2	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
	Route 3	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
	Route 4	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
	Route 1	0.000E+00	4.688E-06	3.557E-06	8.245E-06	8.245E-06	8.245E-06	8.245E-06	1.371E-04	1.371E-04	1.371E-04	1.371E-04	1.371E-04	1.371E-04	1.371E-04	1.371E-04	1.371E-04	
	Route 2	0.000E+00	3.779E-06	2.867E-06	6.646E-06	6.646E-06	6.646E-06	6.646E-06	1.105E-04	1.105E-04	1.105E-04	1.105E-04	1.105E-04	1.105E-04	1.105E-04	1.105E-04	1.105E-04	
	Route 3	0.000E+00	5.092E-06	3.863E-06	8.956E-06	8.956E-06	8.956E-06	8.956E-06	1.489E-04	1.489E-04	1.489E-04	1.489E-04	1.489E-04	1.489E-04	1.489E-04	1.489E-04	1.489E-04	
	Route 4	0.000E+00	3.951E-06	2.997E-06	6.948E-06	6.948E-06	6.948E-06	6.948E-06	1.155E-04	1.155E-04	1.155E-04	1.155E-04	1.155E-04	1.155E-04	1.155E-04	1.155E-04	1.155E-04	

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 12—Proposed Phases 1-11 On-site Receptors Exposed to Construction Phases 12-14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.141004736	10	361	1	0.25	1.918
0-1	0.141004736	10	1,090	1	1.00	23.160
1-<2	0.141004736	10	1,090	1	1.00	23.160
2-<3	0.141004736	3	631	1	1.00	4.022
3-<4	0.141004736	3	631	1	1.00	4.022
4-<5	0.141004736	3	631	1	1.00	4.022
5-<6	0.141004736	3	631	1	0.75	3.028
Total						63.33

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.062879894	10	361	1	0.25	0.855
0-1	0.062879894	10	1,090	1	1.00	10.328
1-<2	0.062879894	10	1,090	1	1.00	10.328
2-<3	0.062879894	3	631	1	1.00	1.794
3-<4	0.062879894	3	631	1	1.00	1.794
4-<5	0.062879894	3	631	1	1.00	1.794
5-<6	0.062879894	3	631	1	0.75	1.350
Total						28.24

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.141004736	3	631	1	6.00	24.1
Total						24.14

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.062879894	3	631	1	6.00	10.8
Total						10.77

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.141004736	1	261	0.73	6.00	2.4
Total						2.43

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.062879894	1	261	0.73	6.00	1.1
Total						1.08

City of San Ramon—CityWalk Master Plan EIR

Scenario 12—Proposed Phases 1-11 On-site Receptors Exposed to Construction Phases 12-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590949.08	4180436.06	0.1410	0.1410	0.02820

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590949.08	4180436.06	0.2221	0.2221

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590949.08	4180436.06	0.0629	0.0629	0.01258

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590949.08	4180436.06	0.1439	0.1439

Scenario 13

Proposed Phases 1-12 On-site Receptors Exposed to Construction Phases 13-14

City of San Ramon—CityWalk Master Plan EIR

Scenario 13—Proposed Phases 1-12 On-site Receptors Exposed to Construction Phases 13-14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2044	Total
End of Construction	1/1/2048	—
Number of Days	1,461	1,461
Number of Hours	35,064	35,064
Number of Construction Days	1,044	1,044
Number of Construction Hours (8 hours/day)	8,352	8,352
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated	Unmitigated	On-site Construction Activity	Mitigated	Mitigated
	Onsite DPM (tons)	Onsite PM2.5 (tons)		Onsite DPM (tons)	Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0068	0.0254	Bishop Ranch 2600—Phases 7-14	0.0016	0.0202
Bishop Ranch 2600—Phases 7-14	0.0029	0.0029	Bishop Ranch 2600—Phases 7-14	0.0010	0.0010
Bishop Ranch 2600—Phases 7-14	0.0029	0.0029	Bishop Ranch 2600—Phases 7-14	0.0010	0.0010
Bishop Ranch 2600—Phases 7-14	0.0018	0.0018	Bishop Ranch 2600—Phases 7-14	0.0009	0.0009
Bishop Ranch 2600—Phases 7-14	0.0018	0.0018	Bishop Ranch 2600—Phases 7-14	0.0009	0.0009
Bishop Ranch 2600—Phases 7-14	0.0018	0.0018	Bishop Ranch 2600—Phases 7-14	0.0009	0.0009
Bishop Ranch 2600—Phases 7-14	0.0018	0.0018	Bishop Ranch 2600—Phases 7-14	0.0009	0.0009
Bishop Ranch 2600—Phases 7-14	0.0018	0.0018	Bishop Ranch 2600—Phases 7-14	0.0009	0.0009
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0014	0.0014	Bishop Ranch 2600—Phases 7-14	0.0008	0.0008
Bishop Ranch 2600—Phases 7-14	0.0012	0.0012	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.0325	0.0511	Total	0.0145	0.0331

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.0325	0.0511	0.0145	0.0331
Total	0.0325	0.0511	0.0145	0.0331

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated	Unmitigated		Mitigated	Mitigated
	Onsite DPM	Onsite PM2.5		Onsite DPM	Onsite PM2.5
	(tons)*	(tons)*		(tons)*	(tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.0325	0.0511	Bishop Ranch 2600	0.0145	0.0331
Total	0.0325	0.0511	Total	0.0145	0.0331

Bishop Ranch 1A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 3A

Total Unmitigated DPM (On-site)	0.000E+00 tons	Total Mitigated DPM (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	0.000E+00 tons	Total Mitigated PM2.5 (On-site)	0.000E+00 tons
Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec	Average Emission	0.000E+00 grams 0.000E+00 grams/sec 0.000E+00 grams/m2-sec

Bishop Ranch 2600

Total Unmitigated DPM (On-site)	3.250E-02 tons	Total Mitigated DPM (On-site)	1.449E-02 tons
Average Emission	2.951E+04 grams 9.816E-04 grams/sec 9.816E-04 grams/m2-sec	Average Emission	1.316E+04 grams 4.377E-04 grams/sec 4.377E-04 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	5.113E-02 tons	Total Mitigated PM2.5 (On-site)	3.311E-02 tons
Average Emission	4.643E+04 grams 1.544E-03 grams/sec 1.544E-03 grams/m2-sec	Average Emission	3.006E+04 grams 9.999E-04 grams/sec 9.999E-04 grams/m2-sec

591893.02	418022.23	0.00E+00	0.00E+00	1.906E+00	1.646E+01	2.076E+01	1.344E+01	1.561E+01	0.00E+00	0.00E+00	1.897E+00	1.206E+00	1.272E+00	1.068E+00	9.536E+00	2.308E+00
591893.03	418021.33	0.00E+00	0.00E+00	1.858E+00	1.485E+01	1.806E+01	1.485E+01	1.485E+01	0.00E+00	0.00E+00	1.845E+00	1.206E+00	1.272E+00	1.068E+00	9.536E+00	2.308E+00
591893.04	418020.34	0.00E+00	0.00E+00	1.830E+00	1.336E+01	1.855E+01	2.338E+01	1.566E+01	2.462E+01	0.00E+00	0.00E+00	1.830E+00	1.156E+00	1.376E+00	1.155E+00	1.880E+00
591893.05	418019.35	0.00E+00	0.00E+00	1.802E+00	1.186E+01	1.904E+01	2.189E+01	1.566E+01	2.174E+01	0.00E+00	0.00E+00	1.792E+00	1.106E+00	1.426E+00	1.245E+00	1.970E+00
591893.06	418018.36	0.00E+00	0.00E+00	1.774E+00	1.036E+01	1.953E+01	2.471E+01	1.566E+01	1.941E+01	0.00E+00	0.00E+00	1.780E+00	1.056E+00	1.476E+00	1.315E+00	1.773E+00
591893.07	418017.37	0.00E+00	0.00E+00	1.746E+00	886E+00	2.002E+01	2.835E+01	1.566E+01	1.603E+01	0.00E+00	0.00E+00	1.760E+00	1.006E+00	1.526E+00	1.385E+00	1.678E+00
591893.08	418016.38	0.00E+00	0.00E+00	1.718E+00	736E+00	2.051E+01	3.120E+01	1.566E+01	1.251E+01	0.00E+00	0.00E+00	1.740E+00	956E+00	1.576E+00	1.455E+00	1.583E+00
591893.09	418015.39	0.00E+00	0.00E+00	1.690E+00	586E+00	2.100E+01	3.405E+01	1.566E+01	899E+00	0.00E+00	0.00E+00	1.720E+00	906E+00	1.626E+00	1.525E+00	1.488E+00
591893.10	418014.40	0.00E+00	0.00E+00	1.662E+00	436E+00	2.149E+01	3.690E+01	1.566E+01	638E+00	0.00E+00	0.00E+00	1.700E+00	856E+00	1.676E+00	1.595E+00	1.423E+00
591893.11	418013.41	0.00E+00	0.00E+00	1.634E+00	286E+00	2.198E+01	3.975E+01	1.566E+01	377E+00	0.00E+00	0.00E+00	1.680E+00	806E+00	1.726E+00	1.665E+00	1.358E+00
591893.12	418012.42	0.00E+00	0.00E+00	1.606E+00	136E+00	2.247E+01	4.260E+01	1.566E+01	116E+00	0.00E+00	0.00E+00	1.660E+00	756E+00	1.776E+00	1.735E+00	1.203E+00
591893.13	418011.43	0.00E+00	0.00E+00	1.578E+00	-114E+00	2.289E+01	4.545E+01	1.566E+01	-144E+00	0.00E+00	0.00E+00	1.640E+00	706E+00	1.826E+00	1.805E+00	948E+00
591893.14	418010.44	0.00E+00	0.00E+00	1.550E+00	-264E+00	2.332E+01	4.830E+01	1.566E+01	-294E+00	0.00E+00	0.00E+00	1.620E+00	656E+00	1.876E+00	1.875E+00	693E+00
591893.15	418009.45	0.00E+00	0.00E+00	1.522E+00	-414E+00	2.375E+01	5.115E+01	1.566E+01	-444E+00	0.00E+00	0.00E+00	1.600E+00	606E+00	1.926E+00	1.945E+00	438E+00
591893.16	418008.46	0.00E+00	0.00E+00	1.494E+00	-564E+00	2.418E+01	5.400E+01	1.566E+01	-594E+00	0.00E+00	0.00E+00	1.580E+00	556E+00	1.976E+00	2.015E+00	178E+00
591893.17	418007.47	0.00E+00	0.00E+00	1.466E+00	-714E+00	2.461E+01	5.685E+01	1.566E+01	-744E+00	0.00E+00	0.00E+00	1.560E+00	506E+00	2.026E+00	2.085E+00	-82E+00
591893.18	418006.48	0.00E+00	0.00E+00	1.438E+00	-864E+00	2.504E+01	5.970E+01	1.566E+01	-794E+00	0.00E+00	0.00E+00	1.540E+00	456E+00	2.076E+00	2.155E+00	-277E+00
591893.19	418005.49	0.00E+00	0.00E+00	1.410E+00	-1014E+00	2.547E+01	6.255E+01	1.566E+01	-844E+00	0.00E+00	0.00E+00	1.520E+00	406E+00	2.126E+00	2.225E+00	-522E+00
591893.20	418004.50	0.00E+00	0.00E+00	1.382E+00	-1164E+00	2.590E+01	6.540E+01	1.566E+01	-894E+00	0.00E+00	0.00E+00	1.500E+00	356E+00	2.176E+00	2.295E+00	-767E+00
591893.21	418003.51	0.00E+00	0.00E+00	1.354E+00	-1314E+00	2.633E+01	6.825E+01	1.566E+01	-944E+00	0.00E+00	0.00E+00	1.480E+00	306E+00	2.226E+00	2.365E+00	-1012E+00
591893.22	418002.52	0.00E+00	0.00E+00	1.326E+00	-1464E+00	2.676E+01	7.110E+01	1.566E+01	-994E+00	0.00E+00	0.00E+00	1.460E+00	256E+00	2.276E+00	2.435E+00	-1257E+00
591893.23	418001.53	0.00E+00	0.00E+00	1.298E+00	-1614E+00	2.719E+01	7.395E+01	1.566E+01	-1044E+00	0.00E+00	0.00E+00	1.440E+00	206E+00	2.326E+00	2.505E+00	-1502E+00
591893.24	418000.54	0.00E+00	0.00E+00	1.270E+00	-1764E+00	2.762E+01	7.680E+01	1.566E+01	-1094E+00	0.00E+00	0.00E+00	1.420E+00	156E+00	2.376E+00	2.575E+00	-1747E+00
591893.25	417999.55	0.00E+00	0.00E+00	1.242E+00	-1914E+00	2.805E+01	7.965E+01	1.566E+01	-1144E+00	0.00E+00	0.00E+00	1.400E+00	106E+00	2.426E+00	2.645E+00	-2000E+00
591893.26	417998.56	0.00E+00	0.00E+00	1.214E+00	-2064E+00	2.848E+01	8.250E+01	1.566E+01	-1194E+00	0.00E+00	0.00E+00	1.380E+00	56E+00	2.476E+00	2.715E+00	-2253E+00
591893.27	417997.57	0.00E+00	0.00E+00	1.186E+00	-2214E+00	2.891E+01	8.535E+01	1.566E+01	-1244E+00	0.00E+00	0.00E+00	1.360E+00	6E+00	2.526E+00	2.785E+00	-2506E+00
591893.28	417996.58	0.00E+00	0.00E+00	1.158E+00	-2364E+00	2.934E+01	8.820E+01	1.566E+01	-1294E+00	0.00E+00	0.00E+00	1.340E+00	-44E+00	2.576E+00	2.855E+00	-2759E+00
591893.29	417995.59	0.00E+00	0.00E+00	1.130E+00	-2514E+00	2.977E+01	9.105E+01	1.566E+01	-1344E+00	0.00E+00	0.00E+00	1.320E+00	-88E+00	2.626E+00	2.925E+00	-3012E+00
591893.30	417994.60	0.00E+00	0.00E+00	1.102E+00	-2664E+00	3.020E+01	9.390E+01	1.566E+01	-1394E+00	0.00E+00	0.00E+00	1.300E+00	-132E+00	2.676E+00	3.000E+00	-3265E+00
591893.31	417993.61	0.00E+00	0.00E+00	1.074E+00	-2814E+00	3.063E+01	9.675E+01	1.566E+01	-1444E+00	0.00E+00	0.00E+00	1.280E+00	-176E+00	2.726E+00	3.075E+00	-3518E+00
591893.32	417992.62	0.00E+00	0.00E+00	1.046E+00	-2964E+00	3.106E+01	9.960E+01	1.566E+01	-1494E+00	0.00E+00	0.00E+00	1.260E+00	-220E+00	2.776E+00	3.150E+00	-3771E+00
591893.33	417991.63	0.00E+00	0.00E+00	1.018E+00	-3114E+00	3.149E+01	10.245E+01	1.566E+01	-1544E+00	0.00E+00	0.00E+00	1.240E+00	-264E+00	2.826E+00	3.225E+00	-4024E+00
591893.34	417990.64	0.00E+00	0.00E+00	990E+00	-3264E+00	3.192E+01	10.530E+01	1.566E+01	-1594E+00	0.00E+00	0.00E+00	1.220E+00	-308E+00	2.876E+00	3.300E+00	-4277E+00
591893.35	417989.65	0.00E+00	0.00E+00	962E+00	-3414E+00	3.235E+01	10.815E+01	1.566E+01	-1644E+00	0.00E+00	0.00E+00	1.200E+00	-352E+00	2.926E+00	3.375E+00	-4530E+00
591893.36	417988.66	0.00E+00	0.00E+00	934E+00	-3564E+00	3.278E+01	11.100E+01	1.566E+01	-1694E+00	0.00E+00	0.00E+00	1.180E+00	-396E+00	2.976E+00	3.450E+00	-4783E+00
591893.37	417987.67	0.00E+00	0.00E+00	906E+00	-3714E+00	3.321E+01	11.385E+01	1.566E+01	-1744E+00	0.00E+00	0.00E+00	1.160E+00	-440E+00	3.026E+00	3.525E+00	-5036E+00
591893.38	417986.68	0.00E+00	0.00E+00	878E+00	-3864E+00	3.364E+01	11.670E+01	1.566E+01	-1794E+00	0.00E+00	0.00E+00	1.140E+00	-484E+00	3.076E+00	3.600E+00	-5289E+00
591893.39	417985.69	0.00E+00	0.00E+00	850E+00	-4014E+00	3.407E+01	11.955E+01	1.566E+01	-1844E+00	0.00E+00	0.00E+00	1.120E+00	-528E+00	3.126E+00	3.675E+00	-5542E+00
591893.40	417984.70	0.00E+00	0.00E+00	822E+00	-4164E+00	3.450E+01	12.240E+01	1.566E+01	-1894E+00	0.00E+00	0.00E+00	1.100E+00	-572E+00	3.176E+00	3.750E+00	-5795E+00
591893.41	417983.71	0.00E+00	0.00E+00	794E+00	-4314E+00	3.493E+01	12.525E+01	1.566E+01	-1944E+00	0.00E+00	0.00E+00	1.080E+00	-616E+00	3.226E+00	3.825E+00	-6048E+00
591893.42	417982.72	0.00E+00	0.00E+00	766E+00	-4464E+00	3.536E+01	12.810E+01	1.566E+01	-1994E+00	0.00E+00	0.00E+00	1.060E+00	-660E+00	3.276E+00	3.900E+00	-6301E+00
591893.43	417981.73	0.00E+00	0.00E+00	738E+00	-4614E+00	3.579E+01	13.095E+01	1.566E+01	-2044E+00	0.00E+00	0.00E+00	1.040E+00	-704E+00	3.326E+00	3.975E+00	-6554E+00
591893.44	417980.74	0.00E+00	0.00E+00	710E+00	-4764E+00	3.622E+01	13.380E+01	1.566E+01	-2094E+00	0.00E+00	0.00E+00	1.020E+00	-748E+00	3.376E+00	4.050E+00	-6807E+00
591893.45	417979.75	0.00E+00	0.00E+00	682E+00	-4914E+00	3.665E+01	13.665E+01	1.566E+01	-2144E+00	0.00E+00	0.00E+00	1.000E+00	-792E+00	3.426E+00	4.125E+00	-7060E+00
591893.46	417978.76	0.00E+00	0.00E+00	654E+00	-5064E+00	3.708E+01	13.950E+01	1.566E+01	-2194E+00	0.00E+00	0.00E+00	980E+00	-836E+00	3.476E+00	4.200E+00	-7313E+00
591893.47	417977.77	0.00E+00	0.00E+00	626E+00	-5214E+00	3.751E+01	14.235E+01	1.566E+01	-2244E+00	0.00E+00	0.00E+00	960E+00	-880E+00	3.526E+00	4.275E+00	-7566E+00
591893.48	417976.78	0.00E+00	0.00E+00	598E+00	-5364E+00	3.794E+01	14.520E+01	1.566E+01	-2294E+00	0.00E+00	0.00E+00	940E+00	-924E+00	3.576E+00	4.350E+00	-7819E+00
591893.49	417975.79	0.00E+00	0.00E+00	570E+00	-5514E+00	3.837E+01	14.805E+01	1.566E+01	-2344E+00	0.00E+00	0.00E+00	920E+00	-968E+00	3.626E+00	4.425E+00	-8072E+00
591893.50	417974.80	0.00E+00	0.00E+00	542E+00	-5664E+00	3.880E+01	15.090E+01	1.566E+01	-2394E+00	0.00E+00	0.00E+00	900E+00	-1012E+00	3.676E+00	4.500E+00	-8325E+00
591893.51	417973.81	0.00E+00	0.00E+00	514E+00	-5814E+00	3.923E+01	15.375E+01	1.566E+01	-2444E+00	0.00E+00	0.00E+00	880E+00	-1056E+00	3.726E+00	4.575E+00	-8578E+00
591893.52	417972.82	0.00E+00	0.00E+00	486E+00	-5964E+00	3.966E+01	15.660E+01	1.566E+01	-2494E+00	0.00E+00	0.00E+00	860E+00	-1100E+00	3.776E+00	4.650E+00	-8831E+00
591893.53	417971.83	0.00E+00	0.00E+00	458E+00	-6114E+00	4.009E+01	15.945E+01	1.566E+01	-2544E+00	0.00E+00	0.00E+00	840E+00	-1144E+00	3.826E+00	4.725E+00	-9084E+00
591893.54	417970.84	0.00E+00	0.00E+00	430E+00	-6264E+00	4.052E+01	16.230E+01	1.566E+01	-2594E+00	0.00E+00	0.00E+00	820E+00	-1188E+00	3.876E+00	4.800E+00</	

592042.80	4180001.52	0.00E+00	0.00E+00	8.87E-01	3.46E+00	4.21E+00	3.55E+00	4.32E+00	0.00E+00	0.00E+00	8.70E-04	2.52E-05	2.47E-05	2.82E-05	2.65E-05	9.7472E-04
592042.80	4180001.52	0.00E+00	0.00E+00	8.84E-01	3.45E+00	4.18E+00	3.53E+00	4.30E+00	0.00E+00	0.00E+00	8.65E-04	2.51E-05	2.46E-05	2.81E-05	2.65E-05	9.6923E-04
592042.80	4179999.52	0.00E+00	0.00E+00	8.75E-01	3.43E+00	4.17E+00	3.51E+00	4.28E+00	0.00E+00	0.00E+00	8.58E-04	2.49E-05	2.44E-05	2.81E-05	2.64E-05	9.6396E-04
592042.80	4180014.42	0.00E+00	0.00E+00	8.75E-01	3.22E+00	3.92E+00	3.30E+00	4.01E+00	0.00E+00	0.00E+00	8.58E-04	2.34E-05	2.35E-05	2.81E-05	2.46E-05	9.5555E-04
592052.80	4180001.52	0.00E+00	0.00E+00	8.68E-01	3.25E+00	3.94E+00	3.35E+00	4.05E+00	0.00E+00	0.00E+00	8.52E-04	2.36E-05	2.31E-05	2.80E-05	2.48E-05	9.5011E-04
592023.60	4179994.01	0.00E+00	0.00E+00	8.64E-01	3.24E+00	4.30E+00	3.77E+00	4.54E+00	0.00E+00	0.00E+00	8.48E-04	2.38E-05	2.32E-05	2.80E-05	2.78E-05	9.5632E-04
592061.42	4180004.46	0.00E+00	0.00E+00	8.75E-01	3.00E+00	3.71E+00	3.85E+00	4.14E+00	0.00E+00	0.00E+00	8.41E-04	2.22E-05	2.13E-05	2.80E-05	2.33E-05	9.3309E-04
592023.60	4179994.01	0.00E+00	0.00E+00	8.55E-01	3.44E+00	4.17E+00	3.67E+00	4.41E+00	0.00E+00	0.00E+00	8.39E-04	2.50E-05	2.42E-05	2.80E-05	2.70E-05	9.4471E-04
592033.60	4179994.01	0.00E+00	0.00E+00	8.53E-01	3.35E+00	4.06E+00	3.55E+00	4.26E+00	0.00E+00	0.00E+00	8.37E-04	2.45E-05	2.38E-05	2.80E-05	2.51E-05	9.3304E-04
592044.60	4179994.01	0.00E+00	0.00E+00	8.49E-01	3.24E+00	3.92E+00	3.41E+00	4.08E+00	0.00E+00	0.00E+00	8.34E-04	2.35E-05	2.30E-05	2.79E-05	2.51E-05	9.3026E-04
592033.60	4179994.01	0.00E+00	0.00E+00	8.44E-01	3.20E+00	3.94E+00	3.48E+00	4.13E+00	0.00E+00	0.00E+00	8.28E-04	2.37E-05	2.31E-05	2.78E-05	2.44E-05	9.2779E-04
592044.60	4179994.01	0.00E+00	0.00E+00	8.41E-01	3.17E+00	3.91E+00	3.45E+00	4.01E+00	0.00E+00	0.00E+00	8.26E-04	2.36E-05	2.29E-05	2.78E-05	2.46E-05	9.2719E-04
592053.60	4179994.01	0.00E+00	0.00E+00	8.38E-01	3.08E+00	3.71E+00	3.22E+00	3.81E+00	0.00E+00	0.00E+00	8.21E-04	2.23E-05	2.13E-05	2.74E-05	2.36E-05	9.1549E-04
592033.60	4179994.01	0.00E+00	0.00E+00	8.36E-01	3.16E+00	3.82E+00	3.36E+00	4.03E+00	0.00E+00	0.00E+00	8.19E-04	2.30E-05	2.24E-05	2.75E-05	2.47E-05	9.1389E-04
592061.60	4179994.01	0.00E+00	0.00E+00	8.31E-01	2.95E+00	3.57E+00	3.08E+00	3.61E+00	0.00E+00	0.00E+00	8.18E-04	2.15E-05	2.09E-05	2.74E-05	2.26E-05	9.0726E-04
592044.60	4179994.01	0.00E+00	0.00E+00	8.28E-01	3.09E+00	3.73E+00	3.32E+00	3.91E+00	0.00E+00	0.00E+00	8.18E-04	2.25E-05	2.18E-05	2.73E-05	2.42E-05	9.1188E-04
592051.60	4179994.01	0.00E+00	0.00E+00	8.30E-01	3.00E+00	3.63E+00	3.16E+00	3.76E+00	0.00E+00	0.00E+00	8.15E-04	2.18E-05	2.11E-05	2.70E-05	2.32E-05	9.0073E-04
592061.60	4179994.01	0.00E+00	0.00E+00	8.26E-01	2.90E+00	3.51E+00	3.04E+00	3.63E+00	0.00E+00	0.00E+00	8.11E-04	2.11E-05	2.06E-05	2.68E-05	2.23E-05	8.9018E-04
592033.60	4179994.01	0.00E+00	0.00E+00	8.25E-01	3.05E+00	3.69E+00	3.25E+00	3.89E+00	0.00E+00	0.00E+00	8.10E-04	2.22E-05	2.16E-05	2.70E-05	2.38E-05	9.0318E-04
592043.60	4179994.01	0.00E+00	0.00E+00	8.24E-01	3.00E+00	3.62E+00	3.18E+00	3.82E+00	0.00E+00	0.00E+00	8.09E-04	2.18E-05	2.12E-05	2.61E-05	2.33E-05	9.0053E-04
592051.60	4179994.01	0.00E+00	0.00E+00	8.22E-01	2.93E+00	3.54E+00	3.10E+00	3.69E+00	0.00E+00	0.00E+00	8.07E-04	2.15E-05	2.08E-05	2.64E-05	2.30E-05	8.9535E-04
592073.60	4179994.01	0.00E+00	0.00E+00	8.22E-01	2.88E+00	3.38E+00	3.04E+00	3.49E+00	0.00E+00	0.00E+00	8.07E-04	2.03E-05	1.98E-05	2.59E-05	2.13E-05	8.8124E-04
592061.60	4179994.01	0.00E+00	0.00E+00	8.19E-01	2.85E+00	3.44E+00	2.99E+00	3.57E+00	0.00E+00	0.00E+00	8.04E-04	2.07E-05	2.02E-05	2.57E-05	2.19E-05	8.7655E-04
592083.60	4179994.01	0.00E+00	0.00E+00	8.16E-01	2.69E+00	3.27E+00	2.79E+00	3.33E+00	0.00E+00	0.00E+00	8.01E-04	1.95E-05	1.90E-05	2.50E-05	2.04E-05	8.6293E-04
592073.60	4179994.01	0.00E+00	0.00E+00	8.15E-01	2.78E+00	3.33E+00	2.88E+00	3.44E+00	0.00E+00	0.00E+00	8.00E-04	2.01E-05	1.92E-05	2.48E-05	2.11E-05	8.6172E-04
592044.60	4179994.01	0.00E+00	0.00E+00	8.15E-01	2.91E+00	3.51E+00	3.08E+00	3.68E+00	0.00E+00	0.00E+00	8.00E-04	2.11E-05	2.06E-05	2.44E-05	2.26E-05	8.6176E-04
592053.60	4179994.01	0.00E+00	0.00E+00	8.14E-01	2.88E+00	3.43E+00	3.02E+00	3.60E+00	0.00E+00	0.00E+00	7.99E-04	2.08E-05	2.02E-05	2.39E-05	2.21E-05	8.6183E-04
592061.60	4179994.01	0.00E+00	0.00E+00	8.12E-01	2.79E+00	3.36E+00	2.94E+00	3.45E+00	0.00E+00	0.00E+00	7.97E-04	2.01E-05	1.93E-05	2.31E-05	2.14E-05	8.5134E-04
592081.60	4179994.01	0.00E+00	0.00E+00	8.11E-01	2.66E+00	3.21E+00	2.76E+00	3.30E+00	0.00E+00	0.00E+00	7.96E-04	1.93E-05	1.88E-05	2.25E-05	2.02E-05	8.4760E-04
592073.60	4179994.01	0.00E+00	0.00E+00	8.08E-01	2.71E+00	3.27E+00	2.84E+00	3.34E+00	0.00E+00	0.00E+00	7.96E-04	1.92E-05	1.84E-05	2.24E-05	2.07E-05	8.4763E-04
592044.60	4179994.01	0.00E+00	0.00E+00	8.05E-01	2.81E+00	3.39E+00	3.04E+00	3.58E+00	0.00E+00	0.00E+00	7.91E-04	2.04E-05	1.98E-05	2.34E-05	2.18E-05	8.5116E-04
592093.60	4179994.01	0.00E+00	0.00E+00	8.05E-01	2.55E+00	3.08E+00	2.64E+00	3.18E+00	0.00E+00	0.00E+00	7.90E-04	1.84E-05	1.81E-05	2.16E-05	1.93E-05	8.4730E-04
592051.60	4179994.01	0.00E+00	0.00E+00	8.05E-01	2.77E+00	3.16E+00	2.85E+00	3.35E+00	0.00E+00	0.00E+00	7.90E-04	1.92E-05	1.86E-05	2.16E-05	2.04E-05	8.4730E-04
592081.60	4179994.01	0.00E+00	0.00E+00	8.05E-01	2.62E+00	3.14E+00	2.71E+00	3.26E+00	0.00E+00	0.00E+00	7.90E-04	1.91E-05	1.82E-05	2.14E-05	2.00E-05	8.4694E-04
592061.60	4179994.01	0.00E+00	0.00E+00	8.04E-01	2.72E+00	3.28E+00	2.87E+00	3.41E+00	0.00E+00	0.00E+00	7.89E-04	1.98E-05	1.92E-05	2.27E-05	2.09E-05	8.4749E-04
592073.60	4179994.01	0.00E+00	0.00E+00	8.01E-01	2.66E+00	3.20E+00	2.79E+00	3.31E+00	0.00E+00	0.00E+00	7.88E-04	1.93E-05	1.88E-05	2.20E-05	2.03E-05	8.4688E-04
592093.60	4179994.01	0.00E+00	0.00E+00	8.00E-01	2.53E+00	3.05E+00	2.62E+00	3.11E+00	0.00E+00	0.00E+00	7.85E-04	1.84E-05	1.79E-05	2.07E-05	1.92E-05	8.4126E-04
592081.60	4179994.01	0.00E+00	0.00E+00	7.98E-01	2.58E+00	3.11E+00	2.75E+00	3.25E+00	0.00E+00	0.00E+00	7.85E-04	1.88E-05	1.82E-05	2.11E-05	1.97E-05	8.4276E-04
592053.60	4179994.01	0.00E+00	0.00E+00	7.96E-01	2.69E+00	3.23E+00	2.84E+00	3.39E+00	0.00E+00	0.00E+00	7.81E-04	1.95E-05	1.90E-05	2.20E-05	2.08E-05	8.4280E-04
592061.60	4179994.01	0.00E+00	0.00E+00	7.95E-01	2.65E+00	3.19E+00	2.80E+00	3.32E+00	0.00E+00	0.00E+00	7.81E-04	1.93E-05	1.87E-05	2.21E-05	2.06E-05	8.4297E-04
592093.60	4179994.01	0.00E+00	0.00E+00	7.94E-01	2.50E+00	3.01E+00	2.60E+00	3.08E+00	0.00E+00	0.00E+00	7.78E-04	1.82E-05	1.76E-05	2.01E-05	1.89E-05	8.3465E-04
592073.60	4179994.01	0.00E+00	0.00E+00	7.94E-01	2.60E+00	3.12E+00	2.76E+00	3.24E+00	0.00E+00	0.00E+00	7.78E-04	1.89E-05	1.83E-05	2.08E-05	1.96E-05	8.3571E-04
592044.60	4179994.01	0.00E+00	0.00E+00	7.93E-01	2.53E+00	3.06E+00	2.65E+00	3.14E+00	0.00E+00	0.00E+00	7.78E-04	1.84E-05	1.79E-05	2.03E-05	1.91E-05	8.3511E-04
592093.60	4179994.01	0.00E+00	0.00E+00	7.88E-01	2.46E+00	2.92E+00	2.57E+00	3.05E+00	0.00E+00	0.00E+00	7.73E-04	1.79E-05	1.74E-05	2.03E-05	1.87E-05	8.4748E-04
592073.60	4179994.01	0.00E+00	0.00E+00	7.85E-01	2.53E+00	3.04E+00	2.67E+00	3.15E+00	0.00E+00	0.00E+00	7.71E-04	1.84E-05	1.78E-05	2.01E-05	1.94E-05	8.4760E-04
592013.60	4179994.01	0.00E+00	0.00E+00	7.84E-01	2.38E+00	2.84E+00	2.47E+00	2.94E+00	0.00E+00	0.00E+00	7.68E-04	1.68E-05	1.63E-05	1.95E-05	1.80E-05	8.4079E-04
592081.60	4179994.01	0.00E+00	0.00E+00	7.84E-01	2.48E+00	2.98E+00	2.60E+00	3.08E+00	0.00E+00	0.00E+00	7.68E-04	1.80E-05	1.73E-05	2.00E-05	1.90E-05	8.4412E-04
592093.60	4179994.01	0.00E+00	0.00E+00	7.81E-01	2.42E+00	2.91E+00	2.53E+00	3.00E+00	0.00E+00	0.00E+00	7.67E-04	1.76E-05	1.70E-05	2.00E-05	1.84E-05	8.3914E-04
592013.60	4179994.01	0.00E+00	0.00E+00	7.79E-01	2.30E+00	2.81E+00	2.44E+00	2.90E+00	0.00E+00	0.00E+00	7.63E-04	1.71E-05	1.66E-05	1.93E-05	1.78E-05	8.3384E-04
592093.60	4179994.01	0.00E+00	0.00E+00	7.74E-01	2.17E+00	2.65E+00	2.48E+00	2.94E+00	0.00E+00	0.00E+00	7.60E-04	1.67E-05	1.61E-05	1.94E-05	1.80E-05	8.3109E-04
592013.60	4179994.01	0.00E+00	0.00E+00	7.71E-01	2.31E+00	2.78E+00	2.41E+00	2.86E+00	0.00E+00	0.00E+00	7.57E-04	1.68E-05	1.63E-05	1.90E-05	1.75E-05	8.2546E-04

CONVINT #/

m/s

2

DEPNINT #/m

992042.80	4180031.52	0.00E+00	0.00E+00	8.87E-03	3.46E+00	4.21E+00	3.56E+00	4.32E+00	0.00E+00	0.00E+00	1.37E-03	1.54E-03	1.51E-03	1.73E-03	1.63E-03	7.779E-03
992042.80	4180032.52	0.00E+00	0.00E+00	8.87E-03	3.46E+00	4.19E+00	3.57E+00	4.32E+00	0.00E+00	0.00E+00	1.36E-03	1.54E-03	1.51E-03	1.73E-03	1.63E-03	7.759E-03
992042.80	4179990.52	0.00E+00	0.00E+00	8.75E-03	3.43E+00	4.17E+00	3.55E+00	4.30E+00	0.00E+00	0.00E+00	1.35E-03	1.53E-03	1.50E-03	1.73E-03	1.62E-03	7.719E-03
992042.80	4180010.52	0.00E+00	0.00E+00	8.75E-03	3.42E+00	4.22E+00	3.55E+00	4.30E+00	0.00E+00	0.00E+00	1.35E-03	1.53E-03	1.50E-03	1.73E-03	1.62E-03	7.702E-03
992042.80	4180005.52	0.00E+00	0.00E+00	8.68E-03	3.39E+00	4.15E+00	3.55E+00	4.29E+00	0.00E+00	0.00E+00	1.34E-03	1.53E-03	1.49E-03	1.72E-03	1.61E-03	7.652E-03
992033.60	4179944.01	0.00E+00	0.00E+00	8.64E-03	3.34E+00	4.30E+00	3.54E+00	4.24E+00	0.00E+00	0.00E+00	1.33E-03	1.52E-03	1.49E-03	1.72E-03	1.60E-03	7.694E-03
992042.80	4180004.06	0.00E+00	0.00E+00	8.57E-03	3.30E+00	4.21E+00	3.54E+00	4.29E+00	0.00E+00	0.00E+00	1.32E-03	1.52E-03	1.48E-03	1.72E-03	1.59E-03	7.636E-03
992033.60	4179934.01	0.00E+00	0.00E+00	8.55E-03	3.44E+00	4.17E+00	3.47E+00	4.41E+00	0.00E+00	0.00E+00	1.32E-03	1.53E-03	1.50E-03	1.78E-03	1.60E-03	7.766E-03
992033.60	4179944.01	0.00E+00	0.00E+00	8.53E-03	3.35E+00	4.26E+00	3.55E+00	4.30E+00	0.00E+00	0.00E+00	1.32E-03	1.49E-03	1.46E-03	1.72E-03	1.58E-03	7.688E-03
992041.60	4179954.01	0.00E+00	0.00E+00	8.49E-03	3.24E+00	4.32E+00	3.41E+00	4.30E+00	0.00E+00	0.00E+00	1.31E-03	1.44E-03	1.41E-03	1.65E-03	1.54E-03	7.357E-03
992033.60	4179934.01	0.00E+00	0.00E+00	8.44E-03	3.26E+00	4.29E+00	3.44E+00	4.31E+00	0.00E+00	0.00E+00	1.30E-03	1.43E-03	1.41E-03	1.68E-03	1.54E-03	7.407E-03
992041.60	4179944.01	0.00E+00	0.00E+00	8.41E-03	3.13E+00	4.33E+00	3.45E+00	4.21E+00	0.00E+00	0.00E+00	1.30E-03	1.45E-03	1.42E-03	1.61E-03	1.51E-03	7.217E-03
992033.60	4179954.01	0.00E+00	0.00E+00	8.38E-03	3.06E+00	4.37E+00	3.22E+00	4.35E+00	0.00E+00	0.00E+00	1.29E-03	1.37E-03	1.33E-03	1.56E-03	1.49E-03	7.000E-03
992033.60	4179934.01	0.00E+00	0.00E+00	8.35E-03	3.14E+00	4.36E+00	3.36E+00	4.32E+00	0.00E+00	0.00E+00	1.29E-03	1.41E-03	1.37E-03	1.61E-03	1.50E-03	7.208E-03
992041.60	4179954.01	0.00E+00	0.00E+00	8.31E-03	2.95E+00	4.37E+00	3.10E+00	4.39E+00	0.00E+00	0.00E+00	1.29E-03	1.33E-03	1.28E-03	1.49E-03	1.48E-03	6.760E-03
992041.60	4179934.01	0.00E+00	0.00E+00	8.31E-03	3.09E+00	4.37E+00	3.27E+00	4.32E+00	0.00E+00	0.00E+00	1.29E-03	1.38E-03	1.34E-03	1.58E-03	1.47E-03	7.059E-03
992051.60	4179944.01	0.00E+00	0.00E+00	8.30E-03	3.00E+00	4.36E+00	3.16E+00	4.38E+00	0.00E+00	0.00E+00	1.28E-03	1.34E-03	1.30E-03	1.53E-03	1.47E-03	6.878E-03
992041.60	4179954.01	0.00E+00	0.00E+00	8.26E-03	2.90E+00	4.31E+00	3.04E+00	4.33E+00	0.00E+00	0.00E+00	1.28E-03	1.26E-03	1.20E-03	1.47E-03	1.43E-03	6.473E-03
992033.60	4179934.01	0.00E+00	0.00E+00	8.25E-03	3.05E+00	4.35E+00	3.18E+00	4.36E+00	0.00E+00	0.00E+00	1.27E-03	1.36E-03	1.32E-03	1.57E-03	1.46E-03	6.964E-03
992043.60	4179924.01	0.00E+00	0.00E+00	8.24E-03	3.00E+00	4.32E+00	3.18E+00	4.30E+00	0.00E+00	0.00E+00	1.27E-03	1.34E-03	1.30E-03	1.54E-03	1.45E-03	6.884E-03
992051.60	4179934.01	0.00E+00	0.00E+00	8.22E-03	2.93E+00	4.34E+00	3.10E+00	4.39E+00	0.00E+00	0.00E+00	1.27E-03	1.37E-03	1.33E-03	1.50E-03	1.45E-03	6.795E-03
992073.60	4179964.01	0.00E+00	0.00E+00	8.22E-03	2.85E+00	4.38E+00	3.02E+00	4.48E+00	0.00E+00	0.00E+00	1.27E-03	1.25E-03	1.21E-03	1.41E-03	1.41E-03	6.454E-03
992051.60	4179934.01	0.00E+00	0.00E+00	8.19E-03	2.82E+00	4.44E+00	3.09E+00	4.37E+00	0.00E+00	0.00E+00	1.27E-03	1.27E-03	1.24E-03	1.45E-03	1.40E-03	6.565E-03
992083.60	4179974.01	0.00E+00	0.00E+00	8.16E-03	2.69E+00	4.24E+00	2.79E+00	4.33E+00	0.00E+00	0.00E+00	1.26E-03	1.17E-03	1.13E-03	1.35E-03	1.32E-03	6.252E-03
992073.60	4179954.01	0.00E+00	0.00E+00	8.15E-03	2.76E+00	4.33E+00	2.88E+00	4.44E+00	0.00E+00	0.00E+00	1.26E-03	1.20E-03	1.16E-03	1.40E-03	1.29E-03	6.373E-03
992041.60	4179934.01	0.00E+00	0.00E+00	8.15E-03	2.91E+00	4.31E+00	3.08E+00	4.38E+00	0.00E+00	0.00E+00	1.26E-03	1.30E-03	1.26E-03	1.49E-03	1.38E-03	6.696E-03
992051.60	4179924.01	0.00E+00	0.00E+00	8.14E-03	2.86E+00	4.35E+00	3.02E+00	4.30E+00	0.00E+00	0.00E+00	1.26E-03	1.27E-03	1.24E-03	1.46E-03	1.37E-03	6.585E-03
992043.60	4179934.01	0.00E+00	0.00E+00	8.12E-03	2.73E+00	4.36E+00	3.10E+00	4.35E+00	0.00E+00	0.00E+00	1.25E-03	1.24E-03	1.21E-03	1.42E-03	1.34E-03	6.443E-03
992081.60	4179964.01	0.00E+00	0.00E+00	8.11E-03	2.64E+00	4.21E+00	2.76E+00	4.30E+00	0.00E+00	0.00E+00	1.25E-03	1.15E-03	1.11E-03	1.34E-03	1.28E-03	6.168E-03
992073.60	4179944.01	0.00E+00	0.00E+00	8.08E-03	2.71E+00	4.27E+00	2.84E+00	4.38E+00	0.00E+00	0.00E+00	1.25E-03	1.21E-03	1.17E-03	1.38E-03	1.27E-03	6.278E-03
992041.60	4179934.01	0.00E+00	0.00E+00	8.05E-03	2.81E+00	4.30E+00	3.16E+00	4.36E+00	0.00E+00	0.00E+00	1.25E-03	1.28E-03	1.24E-03	1.44E-03	1.34E-03	6.496E-03
992093.60	4179974.01	0.00E+00	0.00E+00	8.05E-03	2.55E+00	4.20E+00	2.64E+00	4.31E+00	0.00E+00	0.00E+00	1.24E-03	1.11E-03	1.07E-03	1.28E-03	1.19E-03	5.955E-03
992051.60	4179934.01	0.00E+00	0.00E+00	8.05E-03	2.77E+00	4.34E+00	3.18E+00	4.35E+00	0.00E+00	0.00E+00	1.24E-03	1.26E-03	1.22E-03	1.45E-03	1.31E-03	6.418E-03
992081.60	4179954.01	0.00E+00	0.00E+00	8.03E-03	2.62E+00	4.16E+00	2.73E+00	4.28E+00	0.00E+00	0.00E+00	1.24E-03	1.17E-03	1.14E-03	1.31E-03	1.22E-03	6.097E-03
992081.60	4179934.01	0.00E+00	0.00E+00	8.04E-03	2.72E+00	4.28E+00	3.17E+00	4.34E+00	0.00E+00	0.00E+00	1.24E-03	1.21E-03	1.18E-03	1.39E-03	1.28E-03	6.307E-03
992071.60	4179934.01	0.00E+00	0.00E+00	8.01E-03	2.60E+00	4.25E+00	2.79E+00	4.32E+00	0.00E+00	0.00E+00	1.23E-03	1.18E-03	1.15E-03	1.35E-03	1.21E-03	6.170E-03
992093.60	4179964.01	0.00E+00	0.00E+00	8.00E-03	2.53E+00	4.05E+00	2.62E+00	4.13E+00	0.00E+00	0.00E+00	1.24E-03	1.10E-03	1.07E-03	1.27E-03	1.17E-03	5.904E-03
992081.60	4179944.01	0.00E+00	0.00E+00	7.98E-03	2.68E+00	4.11E+00	2.70E+00	4.26E+00	0.00E+00	0.00E+00	1.23E-03	1.15E-03	1.12E-03	1.31E-03	1.21E-03	6.012E-03
992051.60	4179924.01	0.00E+00	0.00E+00	7.96E-03	2.60E+00	4.23E+00	2.84E+00	4.30E+00	0.00E+00	0.00E+00	1.23E-03	1.20E-03	1.16E-03	1.38E-03	1.27E-03	6.240E-03
992061.60	4179934.01	0.00E+00	0.00E+00	7.95E-03	2.65E+00	4.19E+00	2.80E+00	4.28E+00	0.00E+00	0.00E+00	1.23E-03	1.20E-03	1.15E-03	1.35E-03	1.25E-03	6.159E-03
992091.60	4179954.01	0.00E+00	0.00E+00	7.94E-03	2.58E+00	4.01E+00	2.60E+00	4.08E+00	0.00E+00	0.00E+00	1.23E-03	1.11E-03	1.08E-03	1.26E-03	1.18E-03	5.841E-03
992071.60	4179934.01	0.00E+00	0.00E+00	7.93E-03	2.68E+00	4.12E+00	2.75E+00	4.24E+00	0.00E+00	0.00E+00	1.23E-03	1.14E-03	1.10E-03	1.32E-03	1.24E-03	6.049E-03
992081.60	4179924.01	0.00E+00	0.00E+00	7.91E-03	2.53E+00	4.05E+00	2.59E+00	4.16E+00	0.00E+00	0.00E+00	1.22E-03	1.08E-03	1.05E-03	1.29E-03	1.19E-03	5.817E-03
992093.60	4179944.01	0.00E+00	0.00E+00	7.88E-03	2.46E+00	3.96E+00	2.57E+00	4.03E+00	0.00E+00	0.00E+00	1.22E-03	1.02E-03	1.00E-03	1.24E-03	1.15E-03	5.766E-03
992071.60	4179934.01	0.00E+00	0.00E+00	7.85E-03	2.51E+00	4.04E+00	2.67E+00	4.18E+00	0.00E+00	0.00E+00	1.21E-03	1.09E-03	1.06E-03	1.29E-03	1.16E-03	5.871E-03
992101.60	4179954.01	0.00E+00	0.00E+00	7.84E-03	2.38E+00	3.86E+00	2.47E+00	3.94E+00	0.00E+00	0.00E+00	1.21E-03	1.03E-03	1.01E-03	1.20E-03	1.10E-03	5.603E-03
992081.60	4179924.01	0.00E+00	0.00E+00	7.84E-03	2.46E+00	3.98E+00	2.60E+00	4.00E+00	0.00E+00	0.00E+00	1.21E-03	1.07E-03	1.04E-03	1.26E-03	1.12E-03	5.808E-03
992091.60	4179934.01	0.00E+00	0.00E+00	7.81E-03	2.42E+00	3.91E+00	2.53E+00	3.97E+00	0.00E+00	0.00E+00	1.21E-03	1.04E-03	1.01E-03	1.22E-03	1.11E-03	5.681E-03
992101.60	4179944.01	0.00E+00	0.00E+00	7.79E-03	2.33E+00	3.84E+00	2.44E+00	3.90E+00	0.00E+00	0.00E+00	1.20E-03	1.00E-03	1.01E-03	1.18E-03	1.09E-03	5.537E-03
992091.60	4179924.01	0.00E+00	0.00E+00	7.74E-03	2.13E+00	3.60E+00	2.48E+00	3.76E+00	0.00E+00	0.00E+00	1.19E-03	1.02E-03	1.00E-03	1.15E-03	1.09E-03	5.346E-03
992101.60	4179934.01	0.00E+00	0.00E+00	7.71E-03	2.31E+00	3.78E+00	2.41E+00	3.86E+00	0.00E+00	0.00E+00	1.19E-03	1.01E-03	0.98E+00	1.17E-03	1.07E-03	5.460E-03

CONJUNIT /kg

m³

DEPUNIT g/m³

2

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
City of San Ramon—CityWalk Master Plan EIR
Scenario 13—Proposed Phases 1-12 On-site Receptors Exposed to Construction Phases 13-14
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.120787496	10	361	1	0.25	1.643
0-1	0.120787496	10	1,090	1	1.00	19.839
1-<2	0.120787496	10	1,090	1	1.00	19.839
2-<3	0.120787496	3	631	1	1.00	3.445
3-<4	0.120787496	3	631	1	0.75	2.594
Total						47.36

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.053864239	10	361	1	0.25	0.733
0-1	0.053864239	10	1,090	1	1.00	8.847
1-<2	0.053864239	10	1,090	1	1.00	8.847
2-<3	0.053864239	3	631	1	1.00	1.536
3-<4	0.053864239	3	631	1	0.75	1.157
Total						21.12

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.120787496	3	631	1	4.00	13.8
Total						13.79

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.053864239	3	631	1	4.00	6.2
Total						6.15

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 590949.08 4180436.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.120787496	1	261	0.73	4.00	1.4
Total						1.39

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.053864239	1	261	0.73	4.00	0.6
Total						0.62

City of San Ramon—CityWalk Master Plan EIR

Scenario 13—Proposed Phases 1-12 On-site Receptors Exposed to Construction Phases 13-14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590949.08	4180436.06	0.1208	0.1208	0.02416

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590949.08	4180436.06	0.1902	0.1902

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590949.08	4180436.06	0.0539	0.0539	0.01077

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590949.08	4180436.06	0.1232	0.1232

592042.80	418002.52	0.00E+00	0.00E+00	8.87E-01	1.46E+00	4.21E+00	3.56E+00	4.32E+00	0.00E+00	0.00E+00	3.88E-04	2.52E-05	2.47E-05	2.82E-05	2.65E-05	4.927E-04
592042.80	418002.52	0.00E+00	0.00E+00	8.82E-01	1.45E+00	4.18E+00	3.57E+00	4.31E+00	0.00E+00	0.00E+00	3.88E-04	2.52E-05	2.46E-05	2.82E-05	2.65E-05	4.902E-04
592042.80	417999.52	0.00E+00	0.00E+00	8.75E-01	1.45E+00	4.17E+00	3.56E+00	4.30E+00	0.00E+00	0.00E+00	3.83E-04	2.49E-05	2.46E-05	2.81E-05	2.64E-05	4.889E-04
592042.80	418003.52	0.00E+00	0.00E+00	8.75E-01	1.45E+00	4.17E+00	3.56E+00	4.30E+00	0.00E+00	0.00E+00	3.83E-04	2.49E-05	2.46E-05	2.81E-05	2.64E-05	4.799E-04
592042.80	418000.52	0.00E+00	0.00E+00	8.68E-01	1.35E+00	3.94E+00	3.55E+00	4.05E+00	0.00E+00	0.00E+00	3.80E-04	2.36E-05	2.36E-05	2.78E-05	2.48E-05	4.780E-04
592023.60	417994.01	0.00E+00	0.00E+00	8.64E-01	1.34E+00	4.00E+00	3.77E+00	4.24E+00	0.00E+00	0.00E+00	3.78E-04	2.58E-05	2.52E-05	2.98E-05	2.78E-05	4.848E-04
592061.42	418006.46	0.00E+00	0.00E+00	8.57E-01	1.30E+00	3.71E+00	3.54E+00	3.85E+00	0.00E+00	0.00E+00	3.75E-04	2.22E-05	2.17E-05	2.48E-05	2.33E-05	4.671E-04
592023.60	417993.01	0.00E+00	0.00E+00	8.55E-01	1.44E+00	4.17E+00	3.67E+00	4.41E+00	0.00E+00	0.00E+00	3.74E-04	2.56E-05	2.46E-05	2.80E-05	2.70E-05	4.790E-04
592033.60	417994.02	0.00E+00	0.00E+00	8.53E-01	1.30E+00	4.00E+00	3.55E+00	4.25E+00	0.00E+00	0.00E+00	3.73E-04	2.43E-05	2.38E-05	2.80E-05	2.61E-05	4.734E-04
592041.60	417995.01	0.00E+00	0.00E+00	8.49E-01	1.34E+00	3.92E+00	3.41E+00	4.09E+00	0.00E+00	0.00E+00	3.72E-04	2.37E-05	2.30E-05	2.70E-05	2.51E-05	4.704E-04
592031.60	417994.01	0.00E+00	0.00E+00	8.44E-01	1.39E+00	3.94E+00	3.48E+00	4.13E+00	0.00E+00	0.00E+00	3.69E-04	2.37E-05	2.31E-05	2.71E-05	2.44E-05	4.686E-04
592041.60	417994.01	0.00E+00	0.00E+00	8.41E-01	1.17E+01	3.18E+00	3.55E+00	4.01E+00	0.00E+00	0.00E+00	3.68E-04	2.30E-05	2.25E-05	2.64E-05	2.46E-05	4.679E-04
592053.60	417994.01	0.00E+00	0.00E+00	8.38E-01	1.06E+00	3.71E+00	3.22E+00	3.81E+00	0.00E+00	0.00E+00	3.67E-04	2.27E-05	2.17E-05	2.54E-05	2.36E-05	4.597E-04
592031.60	417994.01	0.00E+00	0.00E+00	8.36E-01	1.16E+00	3.80E+00	3.50E+00	4.02E+00	0.00E+00	0.00E+00	3.65E-04	2.36E-05	2.29E-05	2.65E-05	2.47E-05	4.613E-04
592063.60	417994.01	0.00E+00	0.00E+00	8.33E-01	2.95E+00	3.57E+00	3.08E+00	3.60E+00	0.00E+00	0.00E+00	3.63E-04	2.15E-05	2.09E-05	2.44E-05	2.24E-05	4.5407E-04
592041.60	417994.02	0.00E+00	0.00E+00	8.33E-01	1.00E+00	3.73E+00	3.27E+00	3.91E+00	0.00E+00	0.00E+00	3.61E-04	2.25E-05	2.18E-05	2.58E-05	2.40E-05	4.578E-04
592051.60	417994.01	0.00E+00	0.00E+00	8.30E-01	1.03E+00	3.63E+00	3.19E+00	3.79E+00	0.00E+00	0.00E+00	3.61E-04	2.18E-05	2.11E-05	2.50E-05	2.32E-05	4.5467E-04
592063.60	417994.01	0.00E+00	0.00E+00	8.26E-01	2.90E+00	3.51E+00	3.04E+00	3.61E+00	0.00E+00	0.00E+00	3.61E-04	2.11E-05	2.06E-05	2.40E-05	2.23E-05	4.497E-04
592031.60	417994.01	0.00E+00	0.00E+00	8.25E-01	1.05E+00	3.69E+00	3.25E+00	3.89E+00	0.00E+00	0.00E+00	3.61E-04	2.22E-05	2.16E-05	2.56E-05	2.38E-05	4.565E-04
592043.60	417992.01	0.00E+00	0.00E+00	8.24E-01	1.00E+00	3.62E+00	3.18E+00	3.80E+00	0.00E+00	0.00E+00	3.61E-04	2.18E-05	2.12E-05	2.51E-05	2.33E-05	4.533E-04
592053.60	417993.01	0.00E+00	0.00E+00	8.22E-01	1.05E+00	3.54E+00	3.10E+00	3.69E+00	0.00E+00	0.00E+00	3.60E-04	2.13E-05	2.08E-05	2.45E-05	2.29E-05	4.491E-04
592073.60	417994.01	0.00E+00	0.00E+00	8.22E-01	2.80E+00	3.38E+00	2.92E+00	3.48E+00	0.00E+00	0.00E+00	3.60E-04	2.03E-05	1.98E-05	2.30E-05	2.11E-05	4.4427E-04
592063.60	417994.01	0.00E+00	0.00E+00	8.19E-01	2.65E+00	3.44E+00	2.99E+00	3.57E+00	0.00E+00	0.00E+00	3.59E-04	2.07E-05	2.02E-05	2.37E-05	2.19E-05	4.4305E-04
592083.60	417997.01	0.00E+00	0.00E+00	8.16E-01	2.69E+00	3.24E+00	2.79E+00	3.33E+00	0.00E+00	0.00E+00	3.57E-04	1.95E-05	1.90E-05	2.20E-05	2.04E-05	4.384E-04
592073.60	417994.01	0.00E+00	0.00E+00	8.15E-01	2.76E+00	3.33E+00	2.88E+00	3.44E+00	0.00E+00	0.00E+00	3.57E-04	2.01E-05	1.96E-05	2.28E-05	2.11E-05	4.403E-04
592041.60	417993.01	0.00E+00	0.00E+00	8.15E-01	1.91E+00	3.15E+00	3.08E+00	3.48E+00	0.00E+00	0.00E+00	3.57E-04	2.11E-05	2.06E-05	2.34E-05	2.26E-05	4.404E-04
592053.60	417992.01	0.00E+00	0.00E+00	8.14E-01	2.86E+00	3.45E+00	3.02E+00	3.60E+00	0.00E+00	0.00E+00	3.56E-04	2.08E-05	2.02E-05	2.30E-05	2.21E-05	4.415E-04
592063.60	417993.01	0.00E+00	0.00E+00	8.12E-01	2.79E+00	3.36E+00	2.94E+00	3.50E+00	0.00E+00	0.00E+00	3.55E-04	2.03E-05	1.97E-05	2.23E-05	2.14E-05	4.391E-04
592083.60	417994.01	0.00E+00	0.00E+00	8.11E-01	2.66E+00	3.21E+00	2.76E+00	3.35E+00	0.00E+00	0.00E+00	3.55E-04	1.93E-05	1.88E-05	2.18E-05	2.02E-05	4.350E-04
592073.60	417994.01	0.00E+00	0.00E+00	8.08E-01	2.71E+00	3.27E+00	2.84E+00	3.38E+00	0.00E+00	0.00E+00	3.54E-04	1.97E-05	1.92E-05	2.24E-05	2.07E-05	4.382E-04
592041.60	417994.01	0.00E+00	0.00E+00	8.05E-01	2.81E+00	3.36E+00	2.98E+00	3.54E+00	0.00E+00	0.00E+00	3.54E-04	2.04E-05	1.99E-05	2.31E-05	2.18E-05	4.387E-04
592093.60	417997.01	0.00E+00	0.00E+00	8.05E-01	2.55E+00	3.08E+00	2.64E+00	3.15E+00	0.00E+00	0.00E+00	3.52E-04	1.86E-05	1.81E-05	2.09E-05	1.93E-05	4.293E-04
592053.60	417994.01	0.00E+00	0.00E+00	8.05E-01	2.77E+00	3.18E+00	2.83E+00	3.40E+00	0.00E+00	0.00E+00	3.52E-04	1.92E-05	1.87E-05	2.16E-05	2.04E-05	4.307E-04
592083.60	417994.01	0.00E+00	0.00E+00	8.05E-01	2.62E+00	3.18E+00	2.62E+00	3.24E+00	0.00E+00	0.00E+00	3.52E-04	1.91E-05	1.85E-05	2.14E-05	2.00E-05	4.313E-04
592063.60	417994.01	0.00E+00	0.00E+00	8.04E-01	2.72E+00	3.28E+00	2.87E+00	3.41E+00	0.00E+00	0.00E+00	3.52E-04	1.98E-05	1.93E-05	2.27E-05	2.09E-05	4.346E-04
592073.60	417994.01	0.00E+00	0.00E+00	8.01E-01	3.20E+00	2.79E+00	2.30E+00	3.12E+00	0.00E+00	0.00E+00	3.51E-04	1.93E-05	1.88E-05	2.10E-05	2.03E-05	4.311E-04
592093.60	417994.01	0.00E+00	0.00E+00	8.00E-01	2.53E+00	3.02E+00	2.62E+00	3.13E+00	0.00E+00	0.00E+00	3.50E-04	1.84E-05	1.79E-05	2.07E-05	1.92E-05	4.262E-04
592083.60	417994.01	0.00E+00	0.00E+00	7.98E-01	2.98E+00	3.15E+00	2.70E+00	3.29E+00	0.00E+00	0.00E+00	3.49E-04	1.88E-05	1.83E-05	2.13E-05	1.97E-05	4.277E-04
592053.60	417994.01	0.00E+00	0.00E+00	7.96E-01	2.69E+00	2.84E+00	2.32E+00	3.39E+00	0.00E+00	0.00E+00	3.48E-04	1.95E-05	1.90E-05	2.21E-05	2.08E-05	4.302E-04
592063.60	417993.01	0.00E+00	0.00E+00	7.95E-01	2.65E+00	3.19E+00	2.60E+00	3.25E+00	0.00E+00	0.00E+00	3.48E-04	1.93E-05	1.87E-05	2.12E-05	1.94E-05	4.294E-04
592093.60	417995.01	0.00E+00	0.00E+00	7.94E-01	2.50E+00	3.01E+00	2.60E+00	3.09E+00	0.00E+00	0.00E+00	3.48E-04	1.82E-05	1.76E-05	2.05E-05	1.89E-05	4.238E-04
592073.60	417994.01	0.00E+00	0.00E+00	7.94E-01	2.68E+00	3.11E+00	2.72E+00	3.24E+00	0.00E+00	0.00E+00	3.47E-04	1.86E-05	1.80E-05	2.16E-05	1.99E-05	4.280E-04
592083.60	417994.01	0.00E+00	0.00E+00	7.93E-01	2.65E+00	3.15E+00	2.65E+00	3.28E+00	0.00E+00	0.00E+00	3.46E-04	1.84E-05	1.78E-05	2.04E-05	1.87E-05	4.289E-04
592093.60	417994.01	0.00E+00	0.00E+00	7.88E-01	2.46E+00	2.92E+00	2.57E+00	3.05E+00	0.00E+00	0.00E+00	3.45E-04	1.79E-05	1.74E-05	2.03E-05	1.87E-05	4.199E-04
592073.60	417994.01	0.00E+00	0.00E+00	7.85E-01	2.85E+00	2.97E+00	2.58E+00	3.14E+00	0.00E+00	0.00E+00	3.44E-04	1.84E-05	1.78E-05	2.11E-05	1.94E-05	4.269E-04
592023.60	417994.01	0.00E+00	0.00E+00	7.84E-01	2.38E+00	2.47E+00	2.04E+00	2.43E-04	0.00E+00	0.00E+00	3.43E-04	1.73E-05	1.68E-05	1.95E-05	1.80E-05	4.148E-04
592083.60	417994.01	0.00E+00	0.00E+00	7.84E-01	2.48E+00	2.98E+00	2.50E+00	3.09E+00	0.00E+00	0.00E+00	3.43E-04	1.80E-05	1.75E-05	2.06E-05	1.89E-05	4.177E-04
592093.60	417994.01	0.00E+00	0.00E+00	7.81E-01	2.42E+00	2.93E+00	2.53E+00	3.04E+00	0.00E+00	0.00E+00	3.42E-04	1.76E-05	1.70E-05	2.00E-05	1.84E-05	4.140E-04
592023.60	417994.01	0.00E+00	0.00E+00	7.78E-01	2.35E+00	2.42E+00	2.00E+00	2.40E+00	0.00E+00	0.00E+00	3.40E-04	1.71E-05	1.66E-05	1.93E-05	1.78E-05	4.110E-04
592093.60	417994.01	0.00E+00	0.00E+00	7.74E-01	2.37E+00	2.85E+00	2.48E+00	2.94E+00	0.00E+00	0.00E+00	3.39E-04	1.73E-05	1.67E-05	1.96E-05	1.80E-05	4.102E-04
592023.60	417994.01	0.00E+00	0.00E+00	7.71E-01	2.31E+00	2.78E+00	2.41E+00	2.84E+00	0.00E+00	0.00E+00	3.37E-04	1.68E-05	1.63E-05	1.90E-05	1.75E-05	4.071E-04

CONCENT g/m³

2

City of San Ramon - CityWalk Master Plan EIR

Scenario 13 - Proposed Phase 1-12 On-site Resignation Emissions for Construction Phase 13-14

Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Table with 2 columns: Annual Average Onsite Total PM2.5 Emissions Rate - Highway Ranch 1A (gpm/m2/yr) and Annual Average Onsite Total PM2.5 Emissions Rate - Highway Ranch 2000 (gpm/m2/yr)

Mitigated Concentrations

Table with 2 columns: 0.00E+00 and 1.00E-03

Table with 2 columns: Maximum and Minimum, with sub-columns for DPM and MTR.

Main data table with columns for various locations (Onsite Highway Ranch 1A, 1B, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R, 2S, 2T, 2U, 2V, 2W, 2X, 2Y, 2Z), 2000 Annual PM2.5 Total, and 2000 Annual PM2.5 Total w/Actual Emissions. Each cell contains numerical values representing concentrations.

592042.80	4180010.52	0.00E+00	0.00E+00	8.87E-01	3.48E+00	4.21E+00	3.56E+00	4.32E+00	0.00E+00	0.00E+00	8.88E-04	1.54E-03	1.55E-03	1.73E-03	1.63E-03	7.29E-03
592042.80	4180010.52	0.00E+00	0.00E+00	8.81E-01	3.48E+00	4.33E+00	3.55E+00	4.32E+00	0.00E+00	0.00E+00	8.81E-04	1.54E-03	1.55E-03	1.73E-03	1.63E-03	7.29E-03
592042.80	4179994.52	0.00E+00	0.00E+00	8.75E-01	3.43E+00	4.17E+00	3.56E+00	4.30E+00	0.00E+00	0.00E+00	8.75E-04	1.53E-03	1.50E-03	1.73E-03	1.62E-03	7.24E-03
592050.60	4180014.42	0.00E+00	0.00E+00	8.75E-01	3.22E+00	3.92E+00	3.30E+00	4.02E+00	0.00E+00	0.00E+00	8.75E-04	1.44E-03	1.42E-03	1.60E-03	1.51E-03	6.82E-03
592052.80	4180000.52	0.00E+00	0.00E+00	8.68E-01	3.25E+00	3.94E+00	3.35E+00	4.05E+00	0.00E+00	0.00E+00	8.68E-04	1.45E-03	1.42E-03	1.62E-03	1.52E-03	6.89E-03
592032.60	4179944.01	0.00E+00	0.00E+00	8.64E-01	3.54E+00	4.30E+00	3.77E+00	4.54E+00	0.00E+00	0.00E+00	8.64E-04	1.58E-03	1.55E-03	1.83E-03	1.70E-03	7.51E-03
592086.42	4180006.46	0.00E+00	0.00E+00	8.57E-01	3.05E+00	3.71E+00	3.14E+00	3.85E+00	0.00E+00	0.00E+00	8.57E-04	1.36E-03	1.33E-03	1.52E-03	1.43E-03	6.50E-03
592032.60	4179934.01	0.00E+00	0.00E+00	8.55E-01	3.44E+00	4.17E+00	3.67E+00	4.41E+00	0.00E+00	0.00E+00	8.55E-04	1.53E-03	1.50E-03	1.78E-03	1.66E-03	7.30E-03
592033.60	4179944.01	0.00E+00	0.00E+00	8.53E-01	3.35E+00	4.00E+00	3.55E+00	4.28E+00	0.00E+00	0.00E+00	8.53E-04	1.49E-03	1.46E-03	1.72E-03	1.60E-03	7.12E-03
592044.60	4179954.01	0.00E+00	0.00E+00	8.49E-01	3.24E+00	3.92E+00	3.41E+00	4.08E+00	0.00E+00	0.00E+00	8.49E-04	1.44E-03	1.41E-03	1.65E-03	1.54E-03	6.84E-03
592033.60	4179934.01	0.00E+00	0.00E+00	8.44E-01	3.20E+00	3.84E+00	3.40E+00	4.10E+00	0.00E+00	0.00E+00	8.44E-04	1.43E-03	1.42E-03	1.60E-03	1.50E-03	6.70E-03
592044.60	4179944.01	0.00E+00	0.00E+00	8.41E-01	3.17E+00	3.85E+00	3.37E+00	4.01E+00	0.00E+00	0.00E+00	8.41E-04	1.41E-03	1.38E-03	1.59E-03	1.51E-03	6.75E-03
592053.60	4179954.01	0.00E+00	0.00E+00	8.38E-01	3.00E+00	3.71E+00	3.22E+00	3.80E+00	0.00E+00	0.00E+00	8.38E-04	1.37E-03	1.33E-03	1.54E-03	1.45E-03	6.54E-03
592033.60	4179924.01	0.00E+00	0.00E+00	8.36E-01	3.18E+00	3.83E+00	3.40E+00	4.05E+00	0.00E+00	0.00E+00	8.36E-04	1.43E-03	1.41E-03	1.63E-03	1.53E-03	6.78E-03
592083.60	4179964.01	0.00E+00	0.00E+00	8.33E-01	2.93E+00	3.57E+00	3.08E+00	3.66E+00	0.00E+00	0.00E+00	8.33E-04	1.32E-03	1.28E-03	1.49E-03	1.39E-03	6.31E-03
592044.60	4179934.01	0.00E+00	0.00E+00	8.33E-01	3.09E+00	3.73E+00	3.27E+00	3.91E+00	0.00E+00	0.00E+00	8.33E-04	1.38E-03	1.34E-03	1.58E-03	1.47E-03	6.65E-03
592055.60	4179944.01	0.00E+00	0.00E+00	8.30E-01	3.00E+00	3.63E+00	3.16E+00	3.78E+00	0.00E+00	0.00E+00	8.30E-04	1.34E-03	1.30E-03	1.53E-03	1.42E-03	6.42E-03
592083.60	4179954.01	0.00E+00	0.00E+00	8.26E-01	2.90E+00	3.51E+00	3.04E+00	3.62E+00	0.00E+00	0.00E+00	8.26E-04	1.29E-03	1.26E-03	1.47E-03	1.37E-03	6.23E-03
592033.60	4179924.01	0.00E+00	0.00E+00	8.26E-01	3.05E+00	3.69E+00	3.25E+00	3.85E+00	0.00E+00	0.00E+00	8.26E-04	1.36E-03	1.33E-03	1.57E-03	1.46E-03	6.54E-03
592043.60	4179924.01	0.00E+00	0.00E+00	8.24E-01	3.00E+00	3.62E+00	3.18E+00	3.82E+00	0.00E+00	0.00E+00	8.24E-04	1.34E-03	1.30E-03	1.54E-03	1.43E-03	6.43E-03
592053.60	4179934.01	0.00E+00	0.00E+00	8.23E-01	2.93E+00	3.54E+00	3.05E+00	3.65E+00	0.00E+00	0.00E+00	8.23E-04	1.31E-03	1.27E-03	1.50E-03	1.39E-03	6.29E-03
592072.60	4179964.01	0.00E+00	0.00E+00	8.22E-01	2.80E+00	3.38E+00	2.91E+00	3.48E+00	0.00E+00	0.00E+00	8.22E-04	1.25E-03	1.22E-03	1.41E-03	1.31E-03	6.05E-03
592083.60	4179944.01	0.00E+00	0.00E+00	8.19E-01	2.95E+00	3.44E+00	2.95E+00	3.57E+00	0.00E+00	0.00E+00	8.19E-04	1.27E-03	1.24E-03	1.45E-03	1.34E-03	6.12E-03
592083.60	4179954.01	0.00E+00	0.00E+00	8.16E-01	2.65E+00	3.24E+00	2.79E+00	3.33E+00	0.00E+00	0.00E+00	8.16E-04	1.20E-03	1.17E-03	1.35E-03	1.25E-03	5.78E-03
592072.60	4179954.01	0.00E+00	0.00E+00	8.15E-01	2.78E+00	3.33E+00	2.88E+00	3.44E+00	0.00E+00	0.00E+00	8.15E-04	1.23E-03	1.20E-03	1.40E-03	1.29E-03	5.92E-03
592044.60	4179934.01	0.00E+00	0.00E+00	8.15E-01	2.91E+00	3.51E+00	3.08E+00	3.64E+00	0.00E+00	0.00E+00	8.15E-04	1.30E-03	1.26E-03	1.48E-03	1.38E-03	6.25E-03
592053.60	4179924.01	0.00E+00	0.00E+00	8.14E-01	2.88E+00	3.45E+00	3.02E+00	3.56E+00	0.00E+00	0.00E+00	8.14E-04	1.27E-03	1.24E-03	1.46E-03	1.35E-03	6.14E-03
592063.60	4179934.01	0.00E+00	0.00E+00	8.12E-01	2.79E+00	3.36E+00	2.94E+00	3.45E+00	0.00E+00	0.00E+00	8.12E-04	1.24E-03	1.21E-03	1.43E-03	1.32E-03	6.05E-03
592084.60	4179944.01	0.00E+00	0.00E+00	8.11E-01	2.66E+00	3.21E+00	2.76E+00	3.30E+00	0.00E+00	0.00E+00	8.11E-04	1.19E-03	1.15E-03	1.34E-03	1.24E-03	5.75E-03
592072.60	4179944.01	0.00E+00	0.00E+00	8.08E-01	2.71E+00	3.27E+00	2.84E+00	3.36E+00	0.00E+00	0.00E+00	8.08E-04	1.21E-03	1.17E-03	1.38E-03	1.27E-03	5.84E-03
592044.60	4179944.01	0.00E+00	0.00E+00	8.07E-01	2.81E+00	3.36E+00	2.94E+00	3.46E+00	0.00E+00	0.00E+00	8.07E-04	1.24E-03	1.21E-03	1.44E-03	1.34E-03	6.07E-03
592093.60	4179954.01	0.00E+00	0.00E+00	8.05E-01	2.55E+00	3.08E+00	2.64E+00	3.16E+00	0.00E+00	0.00E+00	8.05E-04	1.14E-03	1.11E-03	1.28E-03	1.19E-03	5.55E-03
592033.60	4179924.01	0.00E+00	0.00E+00	8.05E-01	2.67E+00	3.16E+00	2.70E+00	3.25E+00	0.00E+00	0.00E+00	8.05E-04	1.20E-03	1.16E-03	1.40E-03	1.31E-03	5.79E-03
592083.60	4179954.01	0.00E+00	0.00E+00	8.05E-01	2.62E+00	3.14E+00	2.71E+00	3.23E+00	0.00E+00	0.00E+00	8.04E-04	1.17E-03	1.14E-03	1.32E-03	1.22E-03	5.65E-03
592083.60	4179944.01	0.00E+00	0.00E+00	8.04E-01	2.72E+00	3.20E+00	2.81E+00	3.44E+00	0.00E+00	0.00E+00	8.04E-04	1.21E-03	1.18E-03	1.39E-03	1.28E-03	5.89E-03
592072.60	4179944.01	0.00E+00	0.00E+00	8.01E-01	2.66E+00	3.12E+00	2.74E+00	3.31E+00	0.00E+00	0.00E+00	8.01E-04	1.18E-03	1.15E-03	1.35E-03	1.25E-03	5.73E-03
592093.60	4179964.01	0.00E+00	0.00E+00	8.00E-01	2.53E+00	3.05E+00	2.62E+00	3.11E+00	0.00E+00	0.00E+00	8.00E-04	1.13E-03	1.10E-03	1.27E-03	1.17E-03	5.48E-03
592084.60	4179944.01	0.00E+00	0.00E+00	7.98E-01	2.58E+00	3.11E+00	2.75E+00	3.21E+00	0.00E+00	0.00E+00	7.98E-04	1.15E-03	1.12E-03	1.31E-03	1.21E-03	5.57E-03
592053.60	4179954.01	0.00E+00	0.00E+00	7.96E-01	2.69E+00	3.23E+00	2.84E+00	3.39E+00	0.00E+00	0.00E+00	7.96E-04	1.20E-03	1.16E-03	1.37E-03	1.27E-03	5.80E-03
592083.60	4179914.01	0.00E+00	0.00E+00	7.95E-01	2.65E+00	3.19E+00	2.85E+00	3.32E+00	0.00E+00	0.00E+00	7.95E-04	1.19E-03	1.15E-03	1.35E-03	1.25E-03	5.73E-03
592093.60	4179954.01	0.00E+00	0.00E+00	7.94E-01	2.50E+00	3.01E+00	2.60E+00	3.09E+00	0.00E+00	0.00E+00	7.94E-04	1.11E-03	1.08E-03	1.26E-03	1.16E-03	5.48E-03
592072.60	4179944.01	0.00E+00	0.00E+00	7.94E-01	2.60E+00	3.12E+00	2.73E+00	3.26E+00	0.00E+00	0.00E+00	7.94E-04	1.14E-03	1.12E-03	1.32E-03	1.22E-03	5.61E-03
592083.60	4179934.01	0.00E+00	0.00E+00	7.93E-01	2.53E+00	3.05E+00	2.65E+00	3.15E+00	0.00E+00	0.00E+00	7.93E-04	1.13E-03	1.10E-03	1.29E-03	1.18E-03	5.49E-03
592093.60	4179944.01	0.00E+00	0.00E+00	7.88E-01	2.48E+00	2.96E+00	2.57E+00	3.05E+00	0.00E+00	0.00E+00	7.88E-04	1.10E-03	1.06E-03	1.24E-03	1.15E-03	5.37E-03
592072.60	4179944.01	0.00E+00	0.00E+00	7.86E-01	2.64E+00	3.16E+00	2.75E+00	3.28E+00	0.00E+00	0.00E+00	7.86E-04	1.15E-03	1.13E-03	1.31E-03	1.19E-03	5.60E-03
592023.60	4179954.01	0.00E+00	0.00E+00	7.84E-01	2.38E+00	2.86E+00	2.47E+00	2.94E+00	0.00E+00	0.00E+00	7.84E-04	1.06E-03	1.03E-03	1.19E-03	1.10E-03	5.17E-03
592083.60	4179934.01	0.00E+00	0.00E+00	7.84E-01	2.48E+00	2.98E+00	2.65E+00	3.08E+00	0.00E+00	0.00E+00	7.84E-04	1.11E-03	1.07E-03	1.26E-03	1.16E-03	5.38E-03
592093.60	4179944.01	0.00E+00	0.00E+00	7.81E-01	2.42E+00	2.91E+00	2.53E+00	3.00E+00	0.00E+00	0.00E+00	7.81E-04	1.08E-03	1.05E-03	1.23E-03	1.13E-03	5.25E-03
592033.60	4179944.01	0.00E+00	0.00E+00	7.78E-01	2.33E+00	2.82E+00	2.44E+00	2.93E+00	0.00E+00	0.00E+00	7.78E-04	1.05E-03	1.02E-03	1.18E-03	1.09E-03	5.11E-03
592093.60	4179924.01	0.00E+00	0.00E+00	7.74E-01	2.37E+00	2.85E+00	2.48E+00	2.96E+00	0.00E+00	0.00E+00	7.74E-04	1.06E-03	1.03E-03	1.20E-03	1.10E-03	5.19E-03
592023.60	4179934.01	0.00E+00	0.00E+00	7.71E-01	2.31E+00	2.78E+00	2.41E+00	2.88E+00	0.00E+00	0.00E+00	7.71E-04	1.03E-03	1.00E-03	1.17E-03	1.07E-03	5.04E-03

CONCLINT u/j

m/s

2

DEPNIT g/m³

Scenario 14

Proposed Phases 1-13 On-site Receptors Exposed to Construction Phase 14

City of San Ramon—CityWalk Master Plan EIR

Scenario 14—Proposed Phases 1-13 On-site Receptors Exposed to Construction Phase 14

Estimation of Annual Onsite Construction Emissions (Project Site)

Start of Construction	1/1/2046	Total
End of Construction	1/1/2048	—
Number of Days	730	730
Number of Hours	17,520	17,520
Number of Construction Days	523	523
Number of Construction Hours (8 hours/day)	4,184	4,184
Correction factor to account for non-continuous exposure	4.2	—

On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Bishop Ranch 2600—Phases 7-14	0.0037	0.0137	Bishop Ranch 2600—Phases 7-14	0.0009	0.0109
Bishop Ranch 2600—Phases 7-14	0.0015	0.0015	Bishop Ranch 2600—Phases 7-14	0.0006	0.0006
Bishop Ranch 2600—Phases 7-14	0.0015	0.0015	Bishop Ranch 2600—Phases 7-14	0.0006	0.0006
Bishop Ranch 2600—Phases 7-14	0.0009	0.0009	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0009	0.0009	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0009	0.0009	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0009	0.0009	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0009	0.0009	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0008	0.0008	Bishop Ranch 2600—Phases 7-14	0.0005	0.0005
Bishop Ranch 2600—Phases 7-14	0.0007	0.0007	Bishop Ranch 2600—Phases 7-14	0.0003	0.0003
Bishop Ranch 2600—Phases 7-14	0.0000	0.0000	Bishop Ranch 2600—Phases 7-14	0.0000	0.0000
Total	0.0175	0.0276	Total	0.0078	0.0178

Totals by Run

Run 1-Site Work for the Entire Project Site	0.0000	0.0000	0.0000	0.0000
Run 2-Phase 1	0.0000	0.0000	0.0000	0.0000
Run 3-Bishop Ranch 1A—Phases 2-3	0.0000	0.0000	0.0000	0.0000
Run 4-Phases 4-6 (Bishop Ranch 3A)	0.0000	0.0000	0.0000	0.0000
Run 5-Bishop Ranch 2600—Phases 7-14	0.0175	0.0276	0.0078	0.0178
Total	0.0175	0.0276	0.0078	0.0178

Total by Area

	Site Work for the Entire Project Site		Phase 1		Bishop Ranch 1A—Phases 2-3		Phases 4-6 (Bishop Ranch 3A)	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Bishop Ranch 1A	9.87	0.08	0	0.00	9.87	1.00	0.00	0.00
Bishop Ranch 3A	10.43	0.09	0.15	0.01	0.00	0.00	10.28	1.00
Bishop Ranch 2600	101.10	0.83	10.22	0.99	0.00	0.00	0.00	0.00
Total	121.40	1.00	10.37	1.00	9.87	1.00	10.28	1.00

	Unmitigated	Unmitigated		Mitigated	Mitigated
	Onsite DPM (tons)*	Onsite PM2.5 (tons)*		Onsite DPM (tons)*	Onsite PM2.5 (tons)*
Bishop Ranch 1A	0.0000	0.0000	Bishop Ranch 1A	0.0000	0.0000
Bishop Ranch 3A	0.0000	0.0000	Bishop Ranch 3A	0.0000	0.0000
Bishop Ranch 2600	0.0175	0.0276	Bishop Ranch 2600	0.0078	0.0178
Total	0.0175	0.0276	Total	0.0078	0.0178

Bishop Ranch 1A**Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 3A****Total Unmitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated DPM (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

0.000E+00 tons

Average Emission

0.000E+00 grams
0.000E+00 grams/sec
0.000E+00 grams/m2-sec**Bishop Ranch 2600****Total Unmitigated DPM (On-site)**

1.752E-02 tons

Average Emission

1.591E+04 grams
1.056E-03 grams/sec
1.056E-03 grams/m2-sec**Total Mitigated DPM (On-site)**

7.811E-03 tons

Average Emission

7.093E+03 grams
4.709E-04 grams/sec
4.709E-04 grams/m2-sec**Total Unmitigated PM2.5 (On-site)**

2.756E-02 tons

Average Emission

2.502E+04 grams
1.661E-03 grams/sec
1.661E-03 grams/m2-sec**Total Mitigated PM2.5 (On-site)**

1.784E-02 tons

Average Emission

1.620E+04 grams
1.076E-03 grams/sec
1.076E-03 grams/m2-sec

591992.80	418003.52	0.00E+00	0.00E+00	4.42E-01	4.92E-00	6.02E+00	5.11E+00	6.26E+00	0.00E+00	0.00E+00	4.67E-04	3.75E-05	3.75E-05	4.24E-05	4.06E-05	6.29E-04
591993.40	417999.87	0.00E+00	0.00E+00	4.42E-01	4.92E-00	6.02E+00	5.11E+00	6.26E+00	0.00E+00	0.00E+00	4.66E-04	3.76E-05	3.76E-05	4.24E-05	4.06E-05	6.29E-04
592002.80	418003.52	0.00E+00	0.00E+00	4.41E-01	4.56E-00	5.58E+00	4.70E+00	5.77E+00	0.00E+00	0.00E+00	4.65E-04	3.48E-05	3.48E-05	3.90E-05	3.71E-05	6.10E-04
592011.40	417999.87	0.00E+00	0.00E+00	4.40E-01	4.78E-00	5.70E+00	4.77E+00	5.84E+00	0.00E+00	0.00E+00	4.64E-04	3.17E-05	3.17E-05	3.64E-05	3.45E-05	6.10E-04
592020.80	418003.52	0.00E+00	0.00E+00	4.38E-01	4.36E-00	5.16E+00	4.30E+00	5.37E+00	0.00E+00	0.00E+00	4.63E-04	3.18E-05	3.18E-05	3.59E-05	3.47E-05	6.10E-04
592030.40	417999.87	0.00E+00	0.00E+00	4.38E-01	4.64E-00	5.50E+00	4.11E+00	5.20E+00	0.00E+00	0.00E+00	4.62E-04	3.30E-05	3.30E-05	3.73E-05	3.61E-05	6.10E-04
592039.80	418003.52	0.00E+00	0.00E+00	4.37E-01	4.89E-00	5.70E+00	4.27E+00	5.36E+00	0.00E+00	0.00E+00	4.61E-04	3.70E-05	3.70E-05	4.14E-05	4.02E-05	6.10E-04
592049.40	417999.87	0.00E+00	0.00E+00	4.36E-01	5.04E-00	5.94E+00	4.61E+00	5.70E+00	0.00E+00	0.00E+00	4.60E-04	4.03E-05	4.03E-05	4.47E-05	4.35E-05	6.10E-04
592059.00	418003.52	0.00E+00	0.00E+00	4.35E-01	5.29E-00	6.18E+00	4.84E+00	5.93E+00	0.00E+00	0.00E+00	4.59E-04	4.35E-05	4.35E-05	4.79E-05	4.67E-05	6.10E-04
592068.60	417999.87	0.00E+00	0.00E+00	4.34E-01	5.54E-00	6.42E+00	5.14E+00	6.23E+00	0.00E+00	0.00E+00	4.58E-04	4.67E-05	4.67E-05	5.11E-05	4.99E-05	6.10E-04
592078.20	418003.52	0.00E+00	0.00E+00	4.33E-01	5.79E-00	6.66E+00	5.39E+00	6.48E+00	0.00E+00	0.00E+00	4.57E-04	4.99E-05	4.99E-05	5.43E-05	5.31E-05	6.10E-04
592087.80	417999.87	0.00E+00	0.00E+00	4.32E-01	6.04E-00	6.90E+00	5.62E+00	6.71E+00	0.00E+00	0.00E+00	4.56E-04	5.31E-05	5.31E-05	5.75E-05	5.63E-05	6.10E-04
592097.40	418003.52	0.00E+00	0.00E+00	4.31E-01	6.29E-00	7.14E+00	5.85E+00	6.94E+00	0.00E+00	0.00E+00	4.55E-04	5.63E-05	5.63E-05	6.07E-05	5.95E-05	6.10E-04
592107.00	417999.87	0.00E+00	0.00E+00	4.30E-01	6.54E-00	7.38E+00	6.00E+00	7.09E+00	0.00E+00	0.00E+00	4.54E-04	5.95E-05	5.95E-05	6.39E-05	6.27E-05	6.10E-04
592116.60	418003.52	0.00E+00	0.00E+00	4.29E-01	6.79E-00	7.62E+00	6.15E+00	7.31E+00	0.00E+00	0.00E+00	4.53E-04	6.27E-05	6.27E-05	6.69E-05	6.57E-05	6.10E-04
592126.20	417999.87	0.00E+00	0.00E+00	4.28E-01	7.04E-00	7.86E+00	6.30E+00	7.51E+00	0.00E+00	0.00E+00	4.52E-04	6.59E-05	6.59E-05	7.01E-05	6.89E-05	6.10E-04
592135.80	418003.52	0.00E+00	0.00E+00	4.27E-01	7.29E-00	8.10E+00	6.45E+00	7.75E+00	0.00E+00	0.00E+00	4.51E-04	6.91E-05	6.91E-05	7.33E-05	7.21E-05	6.10E-04
592145.40	417999.87	0.00E+00	0.00E+00	4.26E-01	7.54E-00	8.34E+00	6.60E+00	8.00E+00	0.00E+00	0.00E+00	4.50E-04	7.23E-05	7.23E-05	7.65E-05	7.53E-05	6.10E-04
592155.00	418003.52	0.00E+00	0.00E+00	4.25E-01	7.79E-00	8.58E+00	6.75E+00	8.25E+00	0.00E+00	0.00E+00	4.49E-04	7.55E-05	7.55E-05	7.97E-05	7.85E-05	6.10E-04
592164.60	417999.87	0.00E+00	0.00E+00	4.24E-01	8.04E-00	8.82E+00	6.90E+00	8.50E+00	0.00E+00	0.00E+00	4.48E-04	7.87E-05	7.87E-05	8.39E-05	8.27E-05	6.10E-04
592174.20	418003.52	0.00E+00	0.00E+00	4.23E-01	8.29E-00	9.06E+00	7.05E+00	8.75E+00	0.00E+00	0.00E+00	4.47E-04	8.19E-05	8.19E-05	8.61E-05	8.49E-05	6.10E-04
592183.80	417999.87	0.00E+00	0.00E+00	4.22E-01	8.54E-00	9.30E+00	7.20E+00	9.00E+00	0.00E+00	0.00E+00	4.46E-04	8.51E-05	8.51E-05	8.93E-05	8.81E-05	6.10E-04
592193.40	418003.52	0.00E+00	0.00E+00	4.21E-01	8.79E-00	9.54E+00	7.35E+00	9.25E+00	0.00E+00	0.00E+00	4.45E-04	8.83E-05	8.83E-05	9.35E-05	9.23E-05	6.10E-04
592203.00	417999.87	0.00E+00	0.00E+00	4.20E-01	9.04E-00	9.78E+00	7.50E+00	9.50E+00	0.00E+00	0.00E+00	4.44E-04	9.15E-05	9.15E-05	9.77E-05	9.65E-05	6.10E-04
592212.60	418003.52	0.00E+00	0.00E+00	4.19E-01	9.29E-00	1.00E+01	7.65E+00	9.75E+00	0.00E+00	0.00E+00	4.43E-04	9.47E-05	9.47E-05	1.01E-04	9.89E-05	6.10E-04
592222.20	417999.87	0.00E+00	0.00E+00	4.18E-01	9.54E-00	1.02E+01	7.80E+00	1.00E+01	0.00E+00	0.00E+00	4.42E-04	9.79E-05	9.79E-05	1.03E-04	1.02E-04	6.10E-04
592231.80	418003.52	0.00E+00	0.00E+00	4.17E-01	9.79E-00	1.04E+01	7.95E+00	1.02E+01	0.00E+00	0.00E+00	4.41E-04	1.01E-04	1.01E-04	1.05E-04	1.04E-04	6.10E-04
592241.40	417999.87	0.00E+00	0.00E+00	4.16E-01	1.00E+01	1.06E+01	8.10E+00	1.04E+01	0.00E+00	0.00E+00	4.40E-04	1.04E-04	1.04E-04	1.07E-04	1.06E-04	6.10E-04
592251.00	418003.52	0.00E+00	0.00E+00	4.15E-01	1.02E+01	1.08E+01	8.25E+00	1.06E+01	0.00E+00	0.00E+00	4.39E-04	1.07E-04	1.07E-04	1.11E-04	1.10E-04	6.10E-04
592260.60	417999.87	0.00E+00	0.00E+00	4.14E-01	1.04E+01	1.10E+01	8.40E+00	1.08E+01	0.00E+00	0.00E+00	4.38E-04	1.10E-04	1.10E-04	1.13E-04	1.12E-04	6.10E-04
592270.20	418003.52	0.00E+00	0.00E+00	4.13E-01	1.06E+01	1.12E+01	8.55E+00	1.10E+01	0.00E+00	0.00E+00	4.37E-04	1.13E-04	1.13E-04	1.17E-04	1.16E-04	6.10E-04
592279.80	417999.87	0.00E+00	0.00E+00	4.12E-01	1.08E+01	1.14E+01	8.70E+00	1.12E+01	0.00E+00	0.00E+00	4.36E-04	1.16E-04	1.16E-04	1.19E-04	1.18E-04	6.10E-04
592289.40	418003.52	0.00E+00	0.00E+00	4.11E-01	1.10E+01	1.16E+01	8.85E+00	1.14E+01	0.00E+00	0.00E+00	4.35E-04	1.19E-04	1.19E-04	1.23E-04	1.22E-04	6.10E-04
592299.00	417999.87	0.00E+00	0.00E+00	4.10E-01	1.12E+01	1.18E+01	9.00E+00	1.16E+01	0.00E+00	0.00E+00	4.34E-04	1.22E-04	1.22E-04	1.25E-04	1.24E-04	6.10E-04
592308.60	418003.52	0.00E+00	0.00E+00	4.09E-01	1.14E+01	1.20E+01	9.15E+00	1.18E+01	0.00E+00	0.00E+00	4.33E-04	1.25E-04	1.25E-04	1.29E-04	1.28E-04	6.10E-04
592318.20	417999.87	0.00E+00	0.00E+00	4.08E-01	1.16E+01	1.22E+01	9.30E+00	1.20E+01	0.00E+00	0.00E+00	4.32E-04	1.28E-04	1.28E-04	1.31E-04	1.30E-04	6.10E-04
592327.80	418003.52	0.00E+00	0.00E+00	4.07E-01	1.18E+01	1.24E+01	9.45E+00	1.22E+01	0.00E+00	0.00E+00	4.31E-04	1.31E-04	1.31E-04	1.35E-04	1.34E-04	6.10E-04
592337.40	417999.87	0.00E+00	0.00E+00	4.06E-01	1.20E+01	1.26E+01	9.60E+00	1.24E+01	0.00E+00	0.00E+00	4.30E-04	1.34E-04	1.34E-04	1.37E-04	1.36E-04	6.10E-04
592347.00	418003.52	0.00E+00	0.00E+00	4.05E-01	1.22E+01	1.28E+01	9.75E+00	1.26E+01	0.00E+00	0.00E+00	4.29E-04	1.37E-04	1.37E-04	1.41E-04	1.40E-04	6.10E-04
592356.60	417999.87	0.00E+00	0.00E+00	4.04E-01	1.24E+01	1.30E+01	9.90E+00	1.28E+01	0.00E+00	0.00E+00	4.28E-04	1.40E-04	1.40E-04	1.43E-04	1.42E-04	6.10E-04
592366.20	418003.52	0.00E+00	0.00E+00	4.03E-01	1.26E+01	1.32E+01	1.00E+01	1.30E+01	0.00E+00	0.00E+00	4.27E-04	1.43E-04	1.43E-04	1.47E-04	1.46E-04	6.10E-04
592375.80	417999.87	0.00E+00	0.00E+00	4.02E-01	1.28E+01	1.34E+01	1.01E+01	1.32E+01	0.00E+00	0.00E+00	4.26E-04	1.46E-04	1.46E-04	1.49E-04	1.48E-04	6.10E-04
592385.40	418003.52	0.00E+00	0.00E+00	4.01E-01	1.30E+01	1.36E+01	1.02E+01	1.34E+01	0.00E+00	0.00E+00	4.25E-04	1.49E-04	1.49E-04	1.53E-04	1.52E-04	6.10E-04
592395.00	417999.87	0.00E+00	0.00E+00	4.00E-01	1.32E+01	1.38E+01	1.03E+01	1.36E+01	0.00E+00	0.00E+00	4.24E-04	1.52E-04	1.52E-04	1.55E-04	1.54E-04	6.10E-04
592404.60	418003.52	0.00E+00	0.00E+00	3.99E-01	1.34E+01	1.40E+01	1.04E+01	1.38E+01	0.00E+00	0.00E+00	4.23E-04	1.55E-04	1.55E-04	1.59E-04	1.58E-04	6.10E-04
592414.20	417999.87	0.00E+00	0.00E+00	3.98E-01	1.36E+01	1.42E+01	1.05E+01	1.40E+01	0.00E+00	0.00E+00	4.22E-04	1.58E-04	1.58E-04	1.61E-04	1.60E-04	6.10E-04
592423.80	418003.52	0.00E+00	0.00E+00	3.97E-01	1.38E+01	1.44E+01	1.06E+01	1.42E+01	0.00E+00	0.00E+00	4.21E-04	1.61E-04	1.61E-04	1.65E-04	1.64E-04	6.10E-04
592433.40	417999.87	0.00E+00	0.00E+00	3.96E-01	1.40E+01	1.46E+01	1.07E+01	1.44E+01	0.00E+00	0.00E+00	4.20E-04	1.64E-04	1.64E-04	1.67E-04	1.66E-04	6.10E-04
592443.00	418003.52	0.00E+00	0.00E+00	3.95E-01	1.42E+01	1.48E+01	1.08E+01	1.46E+01	0.00E+00	0.00E+00	4.19E-04	1.67E-04	1.67E-04	1.71E-04	1.70E-04	6.10E-04
592452.60	417999.87	0.00E+00	0.00E+00	3.94E-01	1.44E+01	1.50E+01	1.09E+01	1.48E+01	0.00E+00	0.00E+00	4.18E-04	1.70E-04	1.70E-04	1.73E-04	1.72E-04	6.10E-04
592462.20	418003.52	0.00E+00	0.00E+00	3.93E-01	1.46E+01	1.52E+01	1.10E+01	1.50E+01	0.00E+00	0.00E+00	4.17E-04	1.73E-04	1.73E-04	1.77E-04	1.76E-04	6.10E-04
592471.80	417999.87	0.00E+00	0.00E+00	3.92E-01	1.48E+01	1.54E+01	1.11E+01	1.52E+01	0.00E+00	0.00E+00	4.16E-04	1.76E-04	1.76E-04	1.79E-04	1.78E-04	6.10E-04
592481.40	418003.52	0.00E+00	0.00E+00	3.91E-01	1.50E+01	1.56E+01	1.12E+01	1.54E+01	0.00E+00	0.00E+00	4.15E-04	1.79E-04	1.79E-04	1.83E-04	1.82E-04	6.10E-04
592491.00	417999.87	0.00E+00	0.00E+00	3.90E-01	1.52E+01	1.58E+01	1.13E+01	1.56E+01	0.00E+00	0.00E+00	4.14E-04	1.82E-04	1.82E-04	1.85E-04	1.84E-04	6.10E-04
592500.60	418003.52	0.														

991992.80	4180031.52	0.00E+00	0.00E+00	4.42E-03	4.93E-03	6.02E+00	5.11E+00	6.28E+00	0.00E+00	0.00E+00	7.34E+00	2.36E+03	2.27E+03	2.69E+03	2.48E+03	1.099E+02
991991.40	4179997.87	0.00E+00	0.00E+00	4.42E-03	5.50E+00	7.27E+00	5.12E+00	8.00E+00	0.00E+00	0.00E+00	7.34E+00	2.36E+03	2.27E+03	2.69E+03	2.48E+03	1.099E+02
991992.80	4180031.52	0.00E+00	0.00E+00	4.41E-03	4.56E+00	5.58E+00	4.70E+00	5.77E+00	0.00E+00	0.00E+00	7.32E+00	2.12E+03	2.10E+03	2.39E+03	2.28E+03	9.826E+01
991994.40	4179997.87	0.00E+00	0.00E+00	4.40E-03	6.76E+00	8.37E+00	7.77E+00	9.15E+00	0.00E+00	0.00E+00	7.21E+00	2.17E+03	2.15E+03	2.37E+03	2.47E+03	1.070E+02
991991.40	4180031.52	0.00E+00	0.00E+00	4.38E-03	4.12E+00	5.10E+00	4.20E+00	5.32E+00	0.00E+00	0.00E+00	7.28E+00	1.96E+03	1.92E+03	2.20E+03	2.10E+03	8.955E+01
991991.40	4179947.87	0.00E+00	0.00E+00	4.38E-03	5.96E+00	6.99E+00	8.11E+00	9.00E+00	0.00E+00	0.00E+00	7.27E+00	3.22E+03	3.24E+03	4.12E+03	3.93E+03	1.527E+02
991992.80	4180031.52	0.00E+00	0.00E+00	4.37E-03	4.98E+00	5.99E+00	5.32E+00	6.37E+00	0.00E+00	0.00E+00	7.27E+00	2.29E+03	2.29E+03	2.65E+03	2.47E+03	1.050E+02
991991.40	4179997.87	0.00E+00	0.00E+00	4.36E-03	5.94E+00	6.94E+00	7.31E+00	8.51E+00	0.00E+00	0.00E+00	7.26E+00	2.73E+03	2.73E+03	3.32E+03	3.18E+03	1.275E+02
991992.80	4180031.52	0.00E+00	0.00E+00	4.36E-03	5.25E+00	6.27E+00	4.72E+00	5.78E+00	0.00E+00	0.00E+00	7.25E+00	2.16E+03	2.16E+03	2.46E+03	2.36E+03	9.655E+01
991991.40	4179952.87	0.00E+00	0.00E+00	4.36E-03	3.92E+00	4.79E+00	4.01E+00	4.91E+00	0.00E+00	0.00E+00	7.24E+00	1.81E+03	1.81E+03	2.04E+03	1.91E+03	8.373E+01
991991.40	4179952.87	0.00E+00	0.00E+00	4.35E-03	6.24E+00	7.44E+00	6.97E+00	8.14E+00	0.00E+00	0.00E+00	7.23E+00	2.98E+03	2.98E+03	3.54E+03	3.37E+03	1.242E+02
991991.40	4179975.77	0.00E+00	0.00E+00	4.35E-03	6.74E+00	8.06E+00	7.28E+00	8.50E+00	0.00E+00	0.00E+00	7.22E+00	3.05E+03	3.05E+03	3.61E+03	3.47E+03	1.354E+02
991991.40	4179937.87	0.00E+00	0.00E+00	4.35E-03	6.96E+00	8.03E+00	8.20E+00	1.027E+01	0.00E+00	0.00E+00	7.22E+00	3.26E+03	3.26E+03	4.17E+03	4.01E+03	1.542E+02
991991.40	4180031.52	0.00E+00	0.00E+00	4.35E-03	5.21E+00	6.34E+00	4.36E+00	5.34E+00	0.00E+00	0.00E+00	7.22E+00	1.95E+03	1.95E+03	2.21E+03	2.14E+03	8.978E+01
991991.40	4179947.87	0.00E+00	0.00E+00	4.31E-03	6.37E+00	7.86E+00	7.29E+00	8.59E+00	0.00E+00	0.00E+00	7.19E+00	2.97E+03	2.97E+03	3.71E+03	3.51E+03	1.391E+02
991991.40	4180031.52	0.00E+00	0.00E+00	4.31E-03	3.64E+00	4.44E+00	3.71E+00	4.54E+00	0.00E+00	0.00E+00	7.18E+00	1.68E+03	1.68E+03	1.93E+03	1.77E+03	7.778E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.32E-03	3.94E+00	4.81E+00	4.03E+00	4.94E+00	0.00E+00	0.00E+00	7.18E+00	1.84E+03	1.84E+03	2.05E+03	1.95E+03	8.375E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.32E-03	4.53E+00	5.53E+00	4.72E+00	5.77E+00	0.00E+00	0.00E+00	7.17E+00	2.12E+03	2.12E+03	2.40E+03	2.28E+03	9.602E+01
991991.40	4180031.52	0.00E+00	0.00E+00	4.32E-03	5.25E+00	6.25E+00	4.38E+00	5.36E+00	0.00E+00	0.00E+00	7.16E+00	1.98E+03	1.98E+03	2.22E+03	2.14E+03	8.978E+01
991991.40	4179967.87	0.00E+00	0.00E+00	4.30E-03	5.70E+00	7.01E+00	6.31E+00	7.72E+00	0.00E+00	0.00E+00	7.14E+00	2.67E+03	2.64E+03	3.21E+03	3.05E+03	1.228E+02
991991.40	4180041.52	0.00E+00	0.00E+00	4.29E-03	3.25E+00	4.47E+00	3.74E+00	4.58E+00	0.00E+00	0.00E+00	7.14E+00	1.69E+03	1.69E+03	1.90E+03	1.83E+03	7.855E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.28E-03	3.91E+00	4.82E+00	4.06E+00	4.96E+00	0.00E+00	0.00E+00	7.13E+00	1.82E+03	1.82E+03	2.02E+03	1.96E+03	8.396E+01
991991.40	4179947.87	0.00E+00	0.00E+00	4.28E-03	5.87E+00	7.28E+00	6.50E+00	8.10E+00	0.00E+00	0.00E+00	7.12E+00	2.75E+03	2.75E+03	3.36E+03	3.26E+03	1.297E+02
991992.80	4179999.52	0.00E+00	0.00E+00	4.27E-03	4.48E+00	5.48E+00	4.72E+00	5.74E+00	0.00E+00	0.00E+00	7.09E+00	2.12E+03	2.07E+03	2.39E+03	2.28E+03	9.515E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.26E-03	3.88E+00	4.99E+00	3.77E+00	4.60E+00	0.00E+00	0.00E+00	7.08E+00	1.72E+03	1.67E+03	1.92E+03	1.82E+03	7.858E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.26E-03	4.24E+00	5.46E+00	4.38E+00	5.36E+00	0.00E+00	0.00E+00	7.07E+00	1.99E+03	1.99E+03	2.22E+03	2.14E+03	8.948E+01
991991.40	4179967.87	0.00E+00	0.00E+00	4.25E-03	5.30E+00	6.66E+00	5.76E+00	7.04E+00	0.00E+00	0.00E+00	7.06E+00	2.46E+03	2.44E+03	2.93E+03	2.77E+03	1.131E+02
991992.80	4180031.52	0.00E+00	0.00E+00	4.25E-03	3.94E+00	4.83E+00	4.07E+00	4.97E+00	0.00E+00	0.00E+00	7.05E+00	1.83E+03	1.83E+03	2.07E+03	1.99E+03	8.395E+01
991991.40	4179947.87	0.00E+00	0.00E+00	4.24E-03	5.43E+00	6.77E+00	6.09E+00	7.38E+00	0.00E+00	0.00E+00	7.04E+00	2.54E+03	2.52E+03	3.06E+03	2.91E+03	1.174E+02
991992.80	4180031.52	0.00E+00	0.00E+00	4.23E-03	3.89E+00	4.90E+00	3.79E+00	4.63E+00	0.00E+00	0.00E+00	7.03E+00	1.73E+03	1.73E+03	1.93E+03	1.87E+03	7.871E+01
991992.80	4179982.87	0.00E+00	0.00E+00	4.23E-03	6.02E+00	7.42E+00	6.86E+00	8.27E+00	0.00E+00	0.00E+00	7.02E+00	2.75E+03	2.71E+03	3.26E+03	3.14E+03	1.264E+02
991992.80	4179980.52	0.00E+00	0.00E+00	4.22E-03	4.43E+00	5.49E+00	4.67E+00	5.68E+00	0.00E+00	0.00E+00	7.01E+00	2.07E+03	2.04E+03	2.37E+03	2.24E+03	9.478E+01
991992.80	4179993.52	0.00E+00	0.00E+00	4.21E-03	3.97E+00	4.99E+00	4.15E+00	5.09E+00	0.00E+00	0.00E+00	7.00E+00	1.82E+03	1.82E+03	2.06E+03	1.98E+03	8.395E+01
991993.11	4180031.52	0.00E+00	0.00E+00	4.21E-03	3.42E+00	4.40E+00	3.48E+00	4.23E+00	0.00E+00	0.00E+00	7.00E+00	1.60E+03	1.57E+03	1.77E+03	1.68E+03	7.315E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.20E-03	4.86E+00	5.88E+00	4.80E+00	5.76E+00	0.00E+00	0.00E+00	6.99E+00	1.88E+03	1.88E+03	2.15E+03	2.08E+03	8.395E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.20E-03	4.99E+00	6.04E+00	4.96E+00	5.93E+00	0.00E+00	0.00E+00	6.98E+00	1.97E+03	1.93E+03	2.21E+03	2.13E+03	8.978E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.17E-03	3.75E+00	4.86E+00	3.55E+00	4.32E+00	0.00E+00	0.00E+00	6.98E+00	1.62E+03	1.60E+03	1.81E+03	1.76E+03	7.414E+01
991992.80	4179999.52	0.00E+00	0.00E+00	4.16E-03	3.89E+00	4.92E+00	4.07E+00	4.95E+00	0.00E+00	0.00E+00	6.97E+00	1.87E+03	1.87E+03	2.07E+03	1.98E+03	8.395E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.15E-03	3.67E+00	4.72E+00	3.81E+00	4.62E+00	0.00E+00	0.00E+00	6.96E+00	1.62E+03	1.60E+03	1.84E+03	1.82E+03	7.855E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.15E-03	3.40E+00	4.22E+00	3.56E+00	4.32E+00	0.00E+00	0.00E+00	6.95E+00	1.59E+03	1.59E+03	1.79E+03	1.74E+03	7.413E+01
991992.80	4179999.52	0.00E+00	0.00E+00	4.15E-03	3.63E+00	4.44E+00	3.80E+00	4.60E+00	0.00E+00	0.00E+00	6.92E+00	1.71E+03	1.68E+03	1.93E+03	1.87E+03	7.811E+01
991993.44	4180031.52	0.00E+00	0.00E+00	4.15E-03	3.22E+00	4.26E+00	3.06E+00	3.82E+00	0.00E+00	0.00E+00	6.90E+00	1.52E+03	1.48E+03	1.69E+03	1.58E+03	6.925E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.15E-03	3.45E+00	4.37E+00	3.17E+00	3.93E+00	0.00E+00	0.00E+00	6.89E+00	1.58E+03	1.58E+03	1.79E+03	1.76E+03	7.855E+01
991992.80	4179999.52	0.00E+00	0.00E+00	4.14E-03	3.43E+00	4.37E+00	3.56E+00	4.30E+00	0.00E+00	0.00E+00	6.87E+00	1.62E+03	1.57E+03	1.81E+03	1.76E+03	7.356E+01
991992.80	4180031.52	0.00E+00	0.00E+00	4.14E-03	3.24E+00	4.34E+00	3.40E+00	4.16E+00	0.00E+00	0.00E+00	6.86E+00	1.57E+03	1.57E+03	1.78E+03	1.76E+03	7.855E+01
991993.44	4180004.46	0.00E+00	0.00E+00	4.14E-03	3.06E+00	3.71E+00	3.10E+00	3.80E+00	0.00E+00	0.00E+00	6.85E+00	1.40E+03	1.40E+03	1.60E+03	1.55E+03	6.589E+01
991992.80	4179994.01	0.00E+00	0.00E+00	4.14E-03	3.54E+00	4.30E+00	3.77E+00	4.50E+00	0.00E+00	0.00E+00	6.84E+00	1.64E+03	1.63E+03	1.85E+03	1.80E+03	8.395E+01
991994.40	4179954.01	0.00E+00	0.00E+00	4.14E-03	3.89E+03	4.70E+00	4.06E+00	4.82E+00	0.00E+00	0.00E+00	6.84E+00	1.52E+03	1.52E+03	1.73E+03	1.67E+03	6.991E+01
991993.60	4179944.01	0.00E+00	0.00E+00	4.13E-03	3.89E+00	4.70E+00	4.06E+00	4.82E+00	0.00E+00	0.00E+00	6.84E+00	1.52E+03	1.52E+03	1.73E+03	1.67E+03	6.991E+01
991992.80	4179934.01	0.00E+00	0.00E+00	4.13E-03	3.44E+00	4.17E+00	3.87E+00	4.61E+00	0.00E+00	0.00E+00	6.84E+00	1.61E+03	1.61E+03	1.86E+03	1.74E+03	7.429E+01
991993.60	4179954.01	0.00E+00	0.00E+00	4.13E-03	3.90E+00	4.71E+00	4.12E+00	4.88E+00	0.00E+00	0.00E+00	6.83E+00	1.48E+03	1.48E+03	1.68E+03	1.62E+03	6.828E+01
991993.60	4179964.01	0.00E+00	0.00E+00	4.13E-03	3.99E+00	4.80E+00	4.16E+00	4.93E+00	0.00E+00	0.00E+00	6.83E+00	1.50E+03	1.50E+03	1.74E+03	1.68E+03	6.988E+01
991994.40	4179944.01	0.00E+00	0.00E+00	4.13E-03	3.84E+00	4.57E+00	3.80E+00	4.54E+00	0.00E+00	0.00E+00	6.83E+00	1.50E+03	1.50E+03	1.74E+03	1.68E+03	6.988E+01
991993.60	4179954.01	0.00E+00	0.00E+00	4.13E-03	3.84E+00	4.57E+00	3.80E+00	4.54E+00	0.00E+00	0.00E+00	6.83E					

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
 City of San Ramon—CityWalk Master Plan EIR
 Scenario 14—Proposed Phases 1-13 On-site Receptors Exposed to Construction Phase 14
 Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
 UTM: 590939.08 4180456.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.112168122	10	361	1	0.25	1.525
0-1	0.112168122	10	1,090	1	1.00	18.423
1-<2	0.112168122	10	1,090	1	0.75	13.817
Total						33.77

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.050020609	10	361	1	0.25	0.680
0-1	0.050020609	10	1,090	1	1.00	8.216
1-<2	0.050020609	10	1,090	1	0.75	6.162
Total						15.06

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 590939.08 4180456.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.112168122	3	631	1	2.00	6.4
Total						6.40

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
2 to 9	0.050020609	3	631	1	2.00	2.9
Total						2.85

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 590939.08 4180456.06

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year
 Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.112168122	1	261	0.73	2.00	0.6
Total						0.64

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
>16	0.050020609	1	261	0.73	2.00	0.3
Total						0.29

City of San Ramon—CityWalk Master Plan EIR

Scenario 14—Proposed Phases 1-13 On-site Receptors Exposed to Construction Phase 14

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590939.08	4180456.06	0.1122	0.1122	0.02243

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590939.08	4180456.06	0.1767	0.1767

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM:

5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
590939.08	4180456.06	0.0500	0.0500	0.01000

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
590939.08	4180456.06	0.1145	0.1145

591624.79	438028.87	0.00%	0.00%	1.030%	4.386%	5.296%	3.974%	4.621%	0.00%	0.00%	4.944%	3.346%	3.265%	3.216%	2.976%	6.133%
591644.22	438029.22	0.00%	0.00%	1.026%	4.382%	5.292%	3.970%	4.617%	0.00%	0.00%	4.940%	3.342%	3.261%	3.212%	2.972%	6.129%
591663.75	438029.57	0.00%	0.00%	1.022%	4.378%	5.288%	3.966%	4.613%	0.00%	0.00%	4.936%	3.338%	3.257%	3.208%	2.968%	6.125%
591683.28	438029.92	0.00%	0.00%	1.018%	4.374%	5.284%	3.962%	4.609%	0.00%	0.00%	4.932%	3.334%	3.253%	3.204%	2.964%	6.121%
591702.81	438030.27	0.00%	0.00%	1.014%	4.370%	5.280%	3.958%	4.605%	0.00%	0.00%	4.928%	3.330%	3.249%	3.200%	2.960%	6.117%
591722.34	438030.62	0.00%	0.00%	1.010%	4.366%	5.276%	3.954%	4.601%	0.00%	0.00%	4.924%	3.326%	3.245%	3.196%	2.956%	6.113%
591741.87	438030.97	0.00%	0.00%	1.006%	4.362%	5.272%	3.950%	4.597%	0.00%	0.00%	4.920%	3.322%	3.241%	3.192%	2.952%	6.109%
591761.40	438031.32	0.00%	0.00%	1.002%	4.358%	5.268%	3.946%	4.593%	0.00%	0.00%	4.916%	3.318%	3.237%	3.188%	2.948%	6.105%
591780.93	438031.67	0.00%	0.00%	0.998%	4.354%	5.264%	3.942%	4.589%	0.00%	0.00%	4.912%	3.314%	3.233%	3.184%	2.944%	6.101%
591800.46	438032.02	0.00%	0.00%	0.994%	4.350%	5.260%	3.938%	4.585%	0.00%	0.00%	4.908%	3.310%	3.229%	3.180%	2.940%	6.097%
591819.99	438032.37	0.00%	0.00%	0.990%	4.346%	5.256%	3.934%	4.581%	0.00%	0.00%	4.904%	3.306%	3.225%	3.176%	2.936%	6.093%
591839.52	438032.72	0.00%	0.00%	0.986%	4.342%	5.252%	3.930%	4.577%	0.00%	0.00%	4.900%	3.302%	3.221%	3.172%	2.932%	6.089%
591859.05	438033.07	0.00%	0.00%	0.982%	4.338%	5.248%	3.926%	4.573%	0.00%	0.00%	4.896%	3.298%	3.217%	3.168%	2.928%	6.085%
591878.58	438033.42	0.00%	0.00%	0.978%	4.334%	5.244%	3.922%	4.569%	0.00%	0.00%	4.892%	3.294%	3.213%	3.164%	2.924%	6.081%
591898.11	438033.77	0.00%	0.00%	0.974%	4.330%	5.240%	3.918%	4.565%	0.00%	0.00%	4.888%	3.290%	3.209%	3.160%	2.920%	6.077%
591917.64	438034.12	0.00%	0.00%	0.970%	4.326%	5.236%	3.914%	4.561%	0.00%	0.00%	4.884%	3.286%	3.205%	3.156%	2.916%	6.073%
591937.17	438034.47	0.00%	0.00%	0.966%	4.322%	5.232%	3.910%	4.557%	0.00%	0.00%	4.880%	3.282%	3.201%	3.152%	2.912%	6.069%
591956.70	438034.82	0.00%	0.00%	0.962%	4.318%	5.228%	3.906%	4.553%	0.00%	0.00%	4.876%	3.278%	3.197%	3.148%	2.908%	6.065%
591976.23	438035.17	0.00%	0.00%	0.958%	4.314%	5.224%	3.902%	4.549%	0.00%	0.00%	4.872%	3.274%	3.193%	3.144%	2.904%	6.061%
591995.76	438035.52	0.00%	0.00%	0.954%	4.310%	5.220%	3.898%	4.545%	0.00%	0.00%	4.868%	3.270%	3.189%	3.140%	2.900%	6.057%
592015.29	438035.87	0.00%	0.00%	0.950%	4.306%	5.216%	3.894%	4.541%	0.00%	0.00%	4.864%	3.266%	3.185%	3.136%	2.896%	6.053%
592034.82	438036.22	0.00%	0.00%	0.946%	4.302%	5.212%	3.890%	4.537%	0.00%	0.00%	4.860%	3.262%	3.181%	3.132%	2.892%	6.049%
592054.35	438036.57	0.00%	0.00%	0.942%	4.298%	5.208%	3.886%	4.533%	0.00%	0.00%	4.856%	3.258%	3.177%	3.128%	2.888%	6.045%
592073.88	438036.92	0.00%	0.00%	0.938%	4.294%	5.204%	3.882%	4.529%	0.00%	0.00%	4.852%	3.254%	3.173%	3.124%	2.884%	6.041%
592093.41	438037.27	0.00%	0.00%	0.934%	4.290%	5.200%	3.878%	4.525%	0.00%	0.00%	4.848%	3.250%	3.169%	3.120%	2.880%	6.037%
592112.94	438037.62	0.00%	0.00%	0.930%	4.286%	5.196%	3.874%	4.521%	0.00%	0.00%	4.844%	3.246%	3.165%	3.116%	2.876%	6.033%
592132.47	438037.97	0.00%	0.00%	0.926%	4.282%	5.192%	3.870%	4.517%	0.00%	0.00%	4.840%	3.242%	3.161%	3.112%	2.872%	6.029%
592151.99	438038.32	0.00%	0.00%	0.922%	4.278%	5.188%	3.866%	4.513%	0.00%	0.00%	4.836%	3.238%	3.157%	3.108%	2.868%	6.025%
592171.52	438038.67	0.00%	0.00%	0.918%	4.274%	5.184%	3.862%	4.509%	0.00%	0.00%	4.832%	3.234%	3.153%	3.104%	2.864%	6.021%
592191.05	438039.02	0.00%	0.00%	0.914%	4.270%	5.180%	3.858%	4.505%	0.00%	0.00%	4.828%	3.230%	3.149%	3.100%	2.860%	6.017%
592210.58	438039.37	0.00%	0.00%	0.910%	4.266%	5.176%	3.854%	4.501%	0.00%	0.00%	4.824%	3.226%	3.145%	3.096%	2.856%	6.013%
592230.11	438039.72	0.00%	0.00%	0.906%	4.262%	5.172%	3.850%	4.497%	0.00%	0.00%	4.820%	3.222%	3.141%	3.092%	2.852%	6.009%
592249.64	438040.07	0.00%	0.00%	0.902%	4.258%	5.168%	3.846%	4.493%	0.00%	0.00%	4.816%	3.218%	3.137%	3.088%	2.848%	6.005%
592269.17	438040.42	0.00%	0.00%	0.898%	4.254%	5.164%	3.842%	4.489%	0.00%	0.00%	4.812%	3.214%	3.133%	3.084%	2.844%	6.001%
592288.70	438040.77	0.00%	0.00%	0.894%	4.250%	5.160%	3.838%	4.485%	0.00%	0.00%	4.808%	3.210%	3.129%	3.080%	2.840%	5.997%
592308.23	438041.12	0.00%	0.00%	0.890%	4.246%	5.156%	3.834%	4.481%	0.00%	0.00%	4.804%	3.206%	3.125%	3.076%	2.836%	5.993%
592327.76	438041.47	0.00%	0.00%	0.886%	4.242%	5.152%	3.830%	4.477%	0.00%	0.00%	4.800%	3.202%	3.121%	3.072%	2.832%	5.989%
592347.29	438041.82	0.00%	0.00%	0.882%	4.238%	5.148%	3.826%	4.473%	0.00%	0.00%	4.796%	3.198%	3.117%	3.068%	2.828%	5.985%
592366.82	438042.17	0.00%	0.00%	0.878%	4.234%	5.144%	3.822%	4.469%	0.00%	0.00%	4.792%	3.194%	3.113%	3.064%	2.824%	5.981%
592386.35	438042.52	0.00%	0.00%	0.874%	4.230%	5.140%	3.818%	4.465%	0.00%	0.00%	4.788%	3.190%	3.109%	3.060%	2.820%	5.977%
592405.88	438042.87	0.00%	0.00%	0.870%	4.226%	5.136%	3.814%	4.461%	0.00%	0.00%	4.784%	3.186%	3.105%	3.056%	2.816%	5.973%
592425.41	438043.22	0.00%	0.00%	0.866%	4.222%	5.132%	3.810%	4.457%	0.00%	0.00%	4.780%	3.182%	3.101%	3.052%	2.812%	5.969%
592444.94	438043.57	0.00%	0.00%	0.862%	4.218%	5.128%	3.806%	4.453%	0.00%	0.00%	4.776%	3.178%	3.097%	3.048%	2.808%	5.965%
592464.47	438043.92	0.00%	0.00%	0.858%	4.214%	5.124%	3.802%	4.449%	0.00%	0.00%	4.772%	3.174%	3.093%	3.044%	2.804%	5.961%
592483.99	438044.27	0.00%	0.00%	0.854%	4.210%	5.120%	3.798%	4.445%	0.00%	0.00%	4.768%	3.170%	3.089%	3.040%	2.800%	5.957%
592503.52	438044.62	0.00%	0.00%	0.850%	4.206%	5.116%	3.794%	4.441%	0.00%	0.00%	4.764%	3.166%	3.085%	3.036%	2.796%	5.953%
592523.05	438044.97	0.00%	0.00%	0.846%	4.202%	5.112%	3.790%	4.437%	0.00%	0.00%	4.760%	3.162%	3.081%	3.032%	2.792%	5.949%
592542.58	438045.32	0.00%	0.00%	0.842%	4.198%	5.108%	3.786%	4.433%	0.00%	0.00%	4.756%	3.158%	3.077%	3.028%	2.788%	5.945%
592562.11	438045.67	0.00%	0.00%	0.838%	4.194%	5.104%	3.782%	4.429%	0.00%	0.00%	4.752%	3.154%	3.073%	3.024%	2.784%	5.941%
592581.64	438046.02	0.00%	0.00%	0.834%	4.190%	5.100%	3.778%	4.425%	0.00%	0.00%	4.748%	3.150%	3.069%	3.020%	2.780%	5.937%
592601.17	438046.37	0.00%	0.00%	0.830%	4.186%	5.096%	3.774%	4.421%	0.00%	0.00%	4.744%	3.146%	3.065%	3.016%	2.776%	5.933%
592620.70	438046.72	0.00%	0.00%	0.826%	4.182%	5.092%	3.770%	4.417%	0.00%	0.00%	4.740%	3.142%	3.061%	3.012%	2.772%	5.929%
592640.23	438047.07	0.00%	0.00%	0.822%	4.178%	5.088%	3.766%	4.413%	0.00%	0.00%	4.736%	3.138%	3.057%	3.008%	2.768%	5.925%
592659.76	438047.42	0.00%	0.00%	0.818%	4.174%	5.084%	3.762%	4.409%	0.00%	0.00%	4.732%	3.134%	3.053%	3.004%	2.764%	5.921%
592679.29	438047.77	0.00%	0.00%	0.814%	4.170%	5.080%	3.758%	4.405%	0.00%	0.00%	4.728%	3.130%	3.049%	3.000%	2.760%	5.917%
592698.82	438048.12	0.00%	0.00%	0.810%	4.166%	5.076%	3.754%	4.401%	0.00%	0.00%	4.724%	3.126%	3.045%	2.996%	2.756%	5.913%
592718.35	438048.47	0.00%	0.00%	0.806%	4.162%	5.072%	3.750%	4.397%	0.00%	0.00%	4.720%	3.122%	3.041%	2.992%	2.752%	5.909%
592737.88	438048.82	0.00%	0.00%	0.802%	4.158%	5.068%	3.746%	4.393%	0.00%	0.00%	4.716%	3.118%	3.037%	2.988%	2.748%	5.905%
592757.41	438049.17	0.00%	0.00%	0.798%	4.154%	5.064%	3.742%	4.389%	0.00%	0.00%	4.712%	3.114%	3.033%	2.984%	2.744%	5.901%
592776.94	438049.52	0.00%	0.00%	0.794%	4.150%	5.060%	3.738%	4.385%	0.00%	0.00%	4.708%	3.110%	3.029%	2.980%	2.740%	5.897%
592796.47	438049.87	0.00%	0.00%	0.790%	4.146%	5.056%	3.734%	4.381%	0.00%	0.00%	4.704%	3.106%	3.025%	2.976%	2.736%	5.893%
592815.99	438050.22	0.00%	0.00%	0.786%	4.142%	5.052%	3.730%	4.377%	0.00%	0.00%	4.700%	3.102%	3.021%	2.972%	2.732%	5.889%
592835.52	438050.57	0.00%	0.00%	0.782%	4.138%	5.048%	3.726%	4.373%	0.00%	0.00%	4.696%	3.098%	3.017%	2.968%	2.728%	5.885%
592855.05	438050.92	0.00%	0.00%	0.778%	4.134%	5.044%	3.722%	4.369%	0.00%	0.00%	4.692%	3.094%	3.013%	2.964%	2.724%	5.881%
592874.58	438051.27	0.00%	0.00%	0.774%	4.130%	5.040%	3.718%	4.365%	0.00%	0.00%	4.688%	3.090%	3.009%	2.960%	2.720%	5.877%
592894.11	438051.62	0.00%	0.00%	0.770%	4.126%	5.036%	3.714%	4.361%	0.00%	0.00%	4.684%	3.086%	3.005%	2.956%	2.716%	5.873%
592913.64	438051.97	0.00%	0.00%	0.766%	4.122%	5.032%	3.710%	4.357%	0.00%	0.00%	4.680%	3.082%	3.001%	2.952%	2.712%	5.869%
592933.17	438052.32	0.00%	0.00%	0.762%	4.118%	5.028%	3.706%	4.353%	0.00%	0.00%	4.676%	3.078%	2.997%	2.948%	2.708%	5.865%
592952.70	438052.67	0.00%	0.00%	0.758%	4.114%	5.024%	3.702%	4.349%	0.00%	0.00%	4.672%	3.074%	2.993%	2.944%	2.704%	5.861%</

C.3 - Additional Air Quality Supporting Information

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Summary of Construction Parameters

Site Work for the Entire Project Site - Unmitigated Construction
Construction Phase

Phase Name	Phase Type	Start Date	End Date	Num Days	
				Week	Num Days
Site Preparation	Site Preparation	1/1/2021	3/25/2021	5	60
Grading	Grading	1/1/2021	3/25/2021	5	60

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	2	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Off-Highway Trucks	2	8	402	0.38
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Scrapers	2	8	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37

Trips and VMT

Phase Name	Worker Trip Number	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip
		Number	Number	Length	Length	Length
Site Preparation	18	0	0	10.8	7.3	20
Grading	25	0	7,000.00	10.8	7.3	20

CityWalk Master Plan Unmitigated Construction—Phase 1
Construction Phase

Phase Name	Phase Type	Start Date	End Date	Num Days	
				Week	Num Days
Grading	Grading	3/26/2021	5/6/2021	5	30
Building Construction	Building Construction	5/7/2021	6/30/2022	5	300
Paving	Paving	7/1/2022	7/28/2022	5	20
Architectural Coating	Architectural Coating	7/29/2022	8/25/2022	5	20

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Scrapers	2	8	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.20
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
Paving	Paving Equipment	2	8	132	0.36
Paving	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Trips and VMT

Phase Name	Worker Trip Number	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip
		Number	Number	Length	Length	Length
Grading	20	0	0	10.8	7.3	20
Building Construction	476	136	0	10.8	7.3	20
Paving	15	0	0	10.8	7.3	20
Architectural Coating	95	0	0	10.8	7.3	20

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3
Construction Phase

Phase Name	Phase Type	Start Date	End Date	Num Days	
				Week	Num Days
Grading	Grading	1/1/2022	1/28/2022	5	20
Building Construction	Building Construction	1/29/2022	11/6/2025	5	984
Paving	Paving	11/7/2025	12/4/2025	5	20
Architectural Coating	Architectural Coating	12/5/2025	1/1/2026	5	20

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.20
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
Paving	Paving Equipment	2	8	132	0.36
Paving	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Trips and VMT

Phase Name	Worker Trip Number	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip
		Number	Number	Length	Length	Length
Grading	15	0	0	10.8	7.3	20
Building Construction	490	78	0	10.8	7.3	20
Paving	15	0	0	10.8	7.3	20
Architectural Coating	98	0	0	10.8	7.3	20

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A)
Construction Phase

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
Grading	Grading	1/1/2026	2/11/2026	5	30
Building Construction	Building Construction	2/12/2026	11/6/2031	5	1496
Paving	Paving	11/7/2031	12/4/2031	5	20
Architectural Coating	Architectural Coating	12/5/2031	1/1/2032	5	20

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.4
Grading	Scrapers	2	8	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.2
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
Paving	Paving Equipment	2	8	132	0.36
Paving	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Grading	20	0	0	10.8	7.3	20
Building Construction	654	120	0	10.8	7.3	20
Paving	15	0	0	10.8	7.3	20
Architectural Coating	131	0	0	10.8	7.3	20

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14
Construction Phase

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
Grading	Grading	1/1/2032	8/4/2032	5	155
Building Construction	Building Construction	8/5/2032	2/27/2047	5	3800
Paving	Paving	2/28/2047	7/31/2047	5	110
Architectural Coating	Architectural Coating	8/1/2047	1/1/2048	5	110

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Scrapers	2	8	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.20
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
Paving	Paving Equipment	2	8	132	0.36
Paving	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Grading	20	0	0	10.8	7.3	20
Building Construction	4,102	1,122	0	10.8	7.3	20
Paving	15	0	0	10.8	7.3	20
Architectural Coating	820	0	0	10.8	7.3	20

CalEEMod Operational Measures Included to Estimate Unmitigated Operations

The proposed Master Plan includes on-site measures and factors related to the project's design and to the project's location in an existing community, as detailed below:

- Increase Density— The proposed Master Plan would develop housing and walkable public open space on undeveloped and underutilized infill sites within the Bishop Ranch Business Park.
 - Acres developed after subtracting 13.95 acres for the existing office building and 11.37 acres for the existing bodies of water = 95.08 acres
 - 4,500 dwelling units/95.08 acres = 47.33 dwelling units/acre
 - 532 employees (200 + 332) → 532 jobs/95.08 acres = 5.6 jobs/acre
- Increase Diversity—The proposed Master Plan contemplates mixed-use development that includes several design features that aim to reduce vehicle miles traveled. The areas surrounding the proposed Master Plan area contain existing commercial- and professional-office, single-family residential, school, mixed use, and public park uses.
- Improved Walkability—There are 161 intersection nodes per square mile surrounding the proposed Master Plan.
- Improved Pedestrian Network—The proposed Master Plan includes connectivity within the project site and provides pedestrian access to adjacent land uses.
- Improved Destination Accessibility—Implementation of the proposed Master Plan would provide housing near an existing job center. Specifically, the proposed Master Plan would develop housing and walkable public open space on undeveloped and underutilized infill sites within the Bishop Ranch Business Park.
- Distance to Transit Station—The closest existing or planned bus stops are located approximately 0.1 mile of the proposed Master Plan.
- Below Market Rate Housing—Fifteen percent of the 4,500 units (approximately 675) would be deed-restricted as affordable to low and very low-income households per the City's inclusionary requirements.
- Provide Traffic Calming Measure—Design of the proposed Master Plan provides traffic calming measures that encourages non-motorized forms of transportation. Internal roadways would be designed with bicycle and pedestrian mobility in mind and are anticipated to be privately owned and maintained. In addition, existing streets and intersections within the vicinity of the proposed Master Plan are designed with traffic calming measures including marked crosswalks.

All features listed above were included to estimate unmitigated and mitigation operational emissions. Note that CalEEMod nominally treats these design elements and conditions as "mitigation measures," despite their inclusion in the project description. Measures included as project mitigation were only included in the mitigated scenarios and are not addressed above.

List of Intersections

4/22/2020

No.	Intersection Roads		Type	Notes
	N/S	E/W		
1	San Ramon Valley Blvd	Talavera Dr	3	
2	Valdivia Cir	Pamplona Ct	3	
3	Cardona Cir	Roatan Ct	3	
4	Cardona Cir	Saba Ct	3	
5	Sunset Dr	Bollinger Canyon Rd	3	
6	Sunset Dr	Bishop Dr	4	(3 existing, 4 with planned)
7	Camino Ramon	Bishop Dr	3	
8	Bishop Dr	Executive Pkwy	3	
9	Camino Ramon	Executive Pkwy	4	
10	Lynnbrook Dr	Woodland Dr	3	
11	Overlook Dr	Woodview Cir	3	
12	Alcosta Blvd	Overlook Dr	3	
13	Alcosta Blvd	Woodland Dr	3	
14	Market Pl	Bollinger Canyon Rd	3	
15	Market Pl	Montgomery St	4	
16	Bishop Ranch 1 E	Bollinger Canyon Rd	3	
17	Bishop Ranch 1	Bollinger Canyon Rd	4	
18	Bishop Ranch 1	Existing E/W Internal Road	3	
19	Bishop Ranch 1 E	Existing E/W Internal Road	3	
20	Executive Pkwy	Executive Pkwy	4	(3 existing, 4 with planned)
21	Executive Pkwy	Executive Pkwy	3	
22	Executive Pkwy	Executive Pkwy	3	
23	Executive Pkwy	Executive Pkwy	4	
24	Executive Pkwy	Executive Pkwy	3	
25	Executive Pkwy	Executive Pkwy	3	
26	Private	Private	3	
27	Private	Bollinger Canyon Rd	3	
28	Private	Private	4	
29	Planned	Planned	3	Project Site
30	Camino Ramon	Planned	3	Project Site
31	Camino Ramon	Planned	3	Project Site
32	Camino Ramon	Planned	3	Project Site
33	Planned	Executive Pkwy	3	Project Site
34	Planned	Planned	3	Project Site
35	Planned	Executive Pkwy	3	Project Site
36	Planned	Executive Pkwy	3	Project Site
37	Planned	Executive Pkwy	3	Project Site
38	Planned	Planned	3	Project Site
39	Planned	Planned	3	Project Site
40	Planned	Bollinger Canyon Rd	3	Project Site

Total Intersection Nodes 127 intersections
 Square Miles within the ½-mile Study Area 0.79 square miles



Intersection Density within the Study Area 161 intersections per square mile

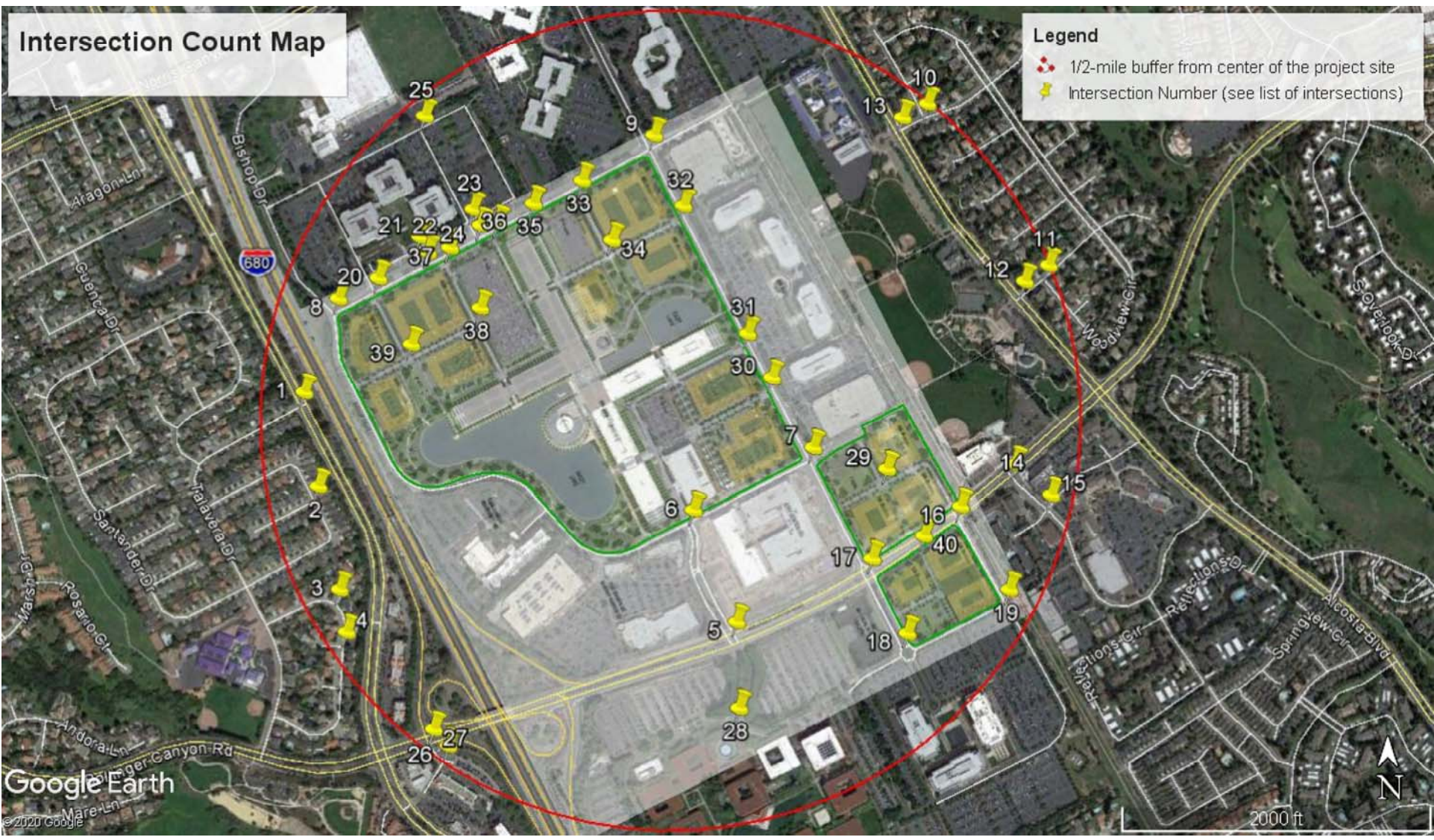
Notes:

Improve Walkability Design—CAPCOA LUT-9 (Increase walkability design—Input intersections per square mile)
 Source of Requirement: Existing and planned intersections (project design and location in an existing community)

Intersection Count Map

Legend

-  1/2-mile buffer from center of the project site
-  Intersection Number (see list of intersections)



Google Earth
© 2020 Google

2000 ft

Electric Vehicle (EV) Modeling Parameters

Emissions Reductions for Residential Uses Associated with Electric Vehicle Charging Stations/Plugs
Assessed for the proposed Master Plan for full buildout in 2048 (Mitigated)

Methodology adapted from EV charging calculations developed by Eystone Environmental. Sources for emission factors and other relevant information provided in the notes sections.

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Electricity Emission Factor ¹ (MT/MWh)	0	0	0	0	0	0	0
Fuel Economy of Electric Vehicle ² (kWh/mile)	0.25						
Electric Vehicle Emission Factors (g/mi)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Emission Factors from Residential Miles Traveled (CalEEMod ³) (g/mi)	0.05	0.5	0.4	0.0	0.0	0.0	267.3
Emission Factor Reduction from Additional Electric Vehicles, per mile (g/mi)	0.1	0.5	0.4	0.0	0.0	0.0	267.3

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Residential Average Yearly VMT with PDFs and MMs ^{4,5} (miles/year)	34,704,256						
Percent of Residential Miles Driven in Electric Vehicles due to this Measure ⁶	2%						
Residential VMT that is Displaced by EVs due to this Measure (miles/year)	717,030						
Emissions Reduction from Residential Electric Vehicles (tons/year)	0.042	0.43	0.28	0.0023	0.0009	0.0008	192

Notes:

- 1) CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CalEEMod Output file provided in Appendix C of this EIR.
- 4) Residential charging of vehicles would primarily occur over night, while commercial use charging of vehicles would primarily occur during the day. It is assumed that EV chargers would be available to both commercial and residential uses. In addition, it is assumed that the charging stations/plugs for residential uses would be fully utilized which is supported by the projected number of electric vehicles in the future. Bloomberg New Energy Finance projects that electric vehicles will represent 35 percent of global new car sales by 2040 (<https://about.bnef.com/blog/electric-vehicles-to-be-35-of-global-new-car-sales-by-2040/>).
- 5) VMT obtained the CalEEMod Output files. CalEEMod Output file provided in Appendix C of this EIR.
- 6) Percentage based on the percentage of proposed parking spaces equipped with EV chargers. It is estimated that the proposed Master Plan would provide approximately 245 EV chargers.

Emissions Reductions for Commercial Uses Associated with Electric Vehicle Charging Stations/Plugs

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

Fuel Economy of Electric Vehicle ² (kWh/mile)	0.25
Annual VMT Reduction per Parking Spot ⁴ (miles/charging station/year)	18,250
Number of On-Site Chargers ⁵	245
Annual VMT Reduction All Stations/Plugs (Based on Charge)	4,471,250

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugs

	VOC	CO	NOx	SOx	PM10	PM2.5	CO2
Gasoline/Diesel CO2 Emissions While Running ³ (g/mi)	0.005	0.34	0.023	0.002	0.001	0.001	197.9
Emissions of Gasoline/Diesel Vehicle (tons/year)	0.0	1.7	0.1	0.0	0.0	0.0	885.0
Emissions of Electric Vehicle (tons/year)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GHG Emissions Reduction (tons/year)	0.02	1.7	0.11	0.01	0.004	0.004	885.0

TOTAL REDUCTION (tons/year): **0.07 2.09 0.40 0.01 0.00 0.00 1,076.67**

Notes:

- 1) CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) ARB. 2017. EMFAC2014, running exhaust emission rate for light duty gasoline- and diesel-powered vehicles in Contra Costa County, aggregated for all models and speeds, averaged over all seasons for buildout year. Complete files available upon request.
- 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 20% of the miles charged would be driven by the charged vehicles.

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.84	Acre	0.84	36,782.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area (2045)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 1A (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 1A Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 1A Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Energy Use -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	36,590.40	36,782.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0142	0.0000	0.0142	8.4000e-004	0.0000	0.0352
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.9000e-004	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	2.0000e-005	0.0142	8.4000e-004	0.0000	0.0352

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0142	0.0000	0.0142	8.4000e-004	0.0000	0.0352
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.9000e-004	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	2.0000e-005	0.0142	8.4000e-004	0.0000	0.0352

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.00084	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.800675	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0142	8.4000e-004	0.0000	0.0352
Unmitigated	0.0142	8.4000e-004	0.0000	0.0352

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
Total		0.0142	8.4000e-004	0.0000	0.0352

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
Total		0.0142	8.4000e-004	0.0000	0.0352

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.31	Acre	0.31	13,623.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area (2045)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 3A (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 3A Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 3A Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Energy Use -

Water And Wastewater -

Solid Waste -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	13,503.60	13,623.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	1.0000e-005	6.1000e-003	3.6000e-004	0.0000	0.0151

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	1.0000e-005	6.1000e-003	3.6000e-004	0.0000	0.0151

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	4.7000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	4.7000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.369359	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.295487	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.0900e-003	3.6000e-004	0.0000	0.0151
Unmitigated	6.0900e-003	3.6000e-004	0.0000	0.0151

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Total		6.0900e-003	3.6000e-004	0.0000	0.0151

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Total		6.0900e-003	3.6000e-004	0.0000	0.0151

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	14.51	Acre	14.51	632,241.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area (2045)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 2600 (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 2600 Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 2600 Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Energy Use -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	632,055.60	632,241.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.2537	0.0000	0.2537	0.0150	0.0000	0.6286
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3000e-003	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2537	2.6000e-004	0.2540	0.0150	0.0000	0.6289

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.2537	0.0000	0.2537	0.0150	0.0000	0.6286
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3000e-003	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2537	2.6000e-004	0.2540	0.0150	0.0000	0.6289

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 17.2884	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 13.8307	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2537	0.0150	0.0000	0.6286
Unmitigated	0.2537	0.0150	0.0000	0.6286

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.25	0.2537	0.0150	0.0000	0.6286
Total		0.2537	0.0150	0.0000	0.6286

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.25	0.2537	0.0150	0.0000	0.6286
Total		0.2537	0.0150	0.0000	0.6286

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.84	Acre	0.84	36,782.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area (2050)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 1A (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 1A Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 1A Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Energy Use -

Water And Wastewater -

Solid Waste -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	36,590.40	36,782.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0142	0.0000	0.0142	8.4000e-004	0.0000	0.0352
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.9000e-004	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	2.0000e-005	0.0142	8.4000e-004	0.0000	0.0352

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0142	0.0000	0.0142	8.4000e-004	0.0000	0.0352
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.9000e-004	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	2.0000e-005	0.0142	8.4000e-004	0.0000	0.0352

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	6.9000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.00084	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.800675	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0142	8.4000e-004	0.0000	0.0352
Unmitigated	0.0142	8.4000e-004	0.0000	0.0352

CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
Total		0.0142	8.4000e-004	0.0000	0.0352

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
Total		0.0142	8.4000e-004	0.0000	0.0352

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 1A—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.31	Acre	0.31	13,623.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area (2050)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 3A (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 3A Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 3A Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Energy Use -

Water And Wastewater -

Solid Waste -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	13,503.60	13,623.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	1.0000e-005	6.1000e-003	3.6000e-004	0.0000	0.0151

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	1.0000e-005	6.1000e-003	3.6000e-004	0.0000	0.0151

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	4.8000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	4.7000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	4.7000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.369359	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.295487	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.0900e-003	3.6000e-004	0.0000	0.0151
Unmitigated	6.0900e-003	3.6000e-004	0.0000	0.0151

CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Total		6.0900e-003	3.6000e-004	0.0000	0.0151

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Total		6.0900e-003	3.6000e-004	0.0000	0.0151

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 3A—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	14.51	Acre	14.51	632,241.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area (2050)

Land Use - Approximate existing landscaping/park area for the Bishop Ranch 2600 (estimated using measurements taken from Google Earth aerial view)

Construction Phase - Zeroed out construction information

Off-road Equipment - Existing Bishop Ranch 2600 Existing Landscaping/Park Area only

Trips and VMT - Existing Bishop Ranch 2600 Existing Landscaping/Park Area only

Vehicle Trips - No existing mobile-source emissions

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California’s Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Energy Use -

Water Mitigation - Compliance with the Water Efficient Land Use Ordinance

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblLandUse	LandUseSquareFeet	632,055.60	632,241.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	4-8-2022	7-7-2022	0.0004	0.0004
		Highest	0.0004	0.0004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.2537	0.0000	0.2537	0.0150	0.0000	0.6286
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3000e-003	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2537	2.6000e-004	0.2540	0.0150	0.0000	0.6289

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.2537	0.0000	0.2537	0.0150	0.0000	0.6286
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3000e-003	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2537	2.6000e-004	0.2540	0.0150	0.0000	0.6289

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/24/2022	6/24/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150; Non-Residential Outdoor: 50; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.2000e-004	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	6.3000e-003	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 17.2884	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 13.8307	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2537	0.0150	0.0000	0.6286
Unmitigated	0.2537	0.0150	0.0000	0.6286

CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.25	0.2537	0.0150	0.0000	0.6286
Total		0.2537	0.0150	0.0000	0.6286

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.25	0.2537	0.0150	0.0000	0.6286
Total		0.2537	0.0150	0.0000	0.6286

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 2600—Existing Landscaping/Park Area - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

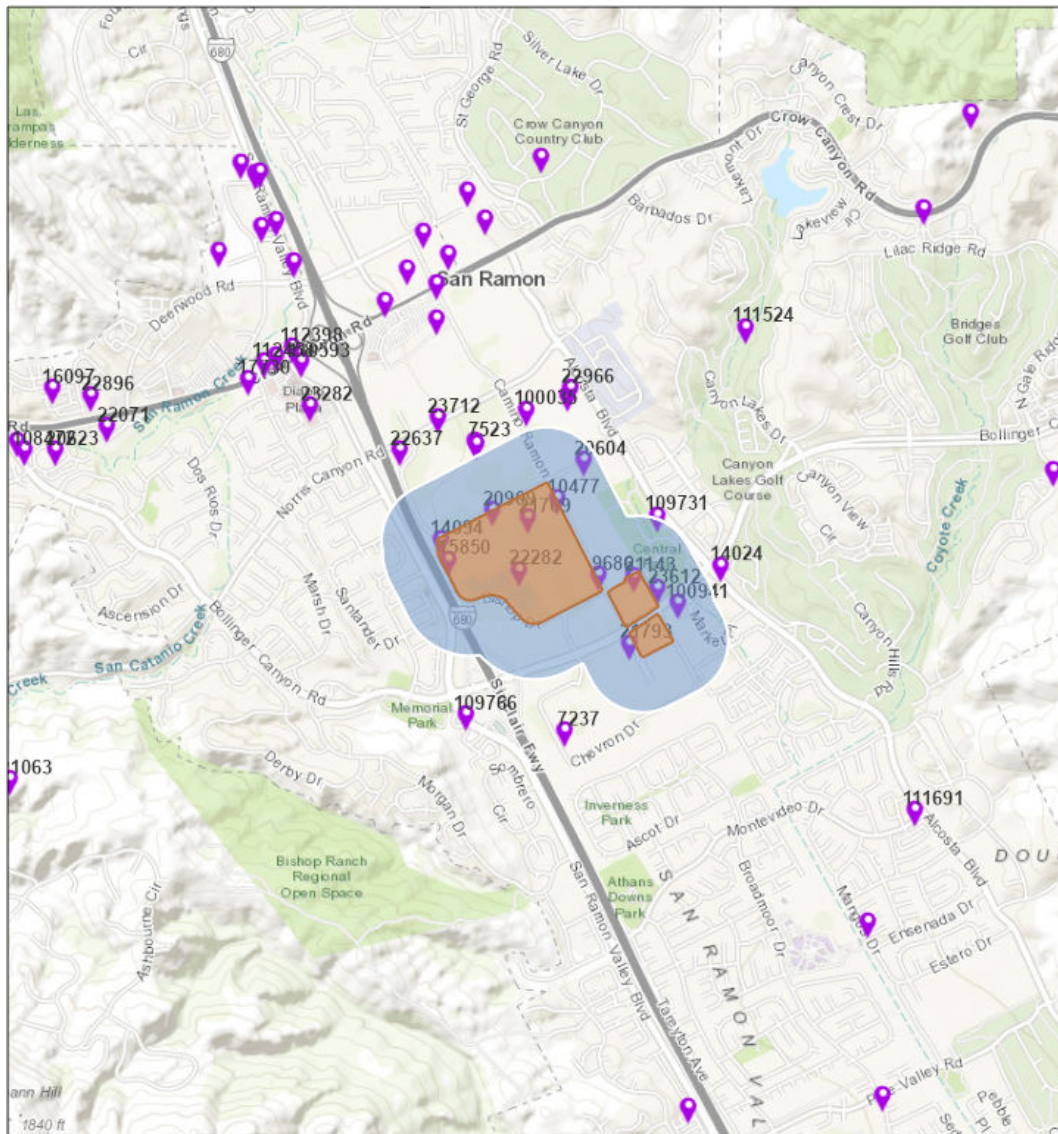


Stationary Source Risk & Hazards Screening Report—CityWalk

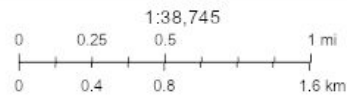
Area of Interest Information (Area of Interest: Within 1,000 feet of the Project Site)

Area : 20,837,545.85 ft²

Feb 4 2020 13:57:30 Pacific Standard Time



- Permitted Facilities 2018
- California Air Basins



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Summary

Name	Count	Area(ft ²)	Length(ft)
Permitted Facilities 2018	13	N/A	N/A

Permitted Facilities 2018

#	FACID	Name	Address	City	St
1	9686	The Solaris Group	2527 Camino Ramon, Suite 140	San Ramon	CA
2	10477	Pacific Bell	2600 Camino Ramon	San Ramon	CA
3	14094	San Ramon Marriott Hotel	2600 Bishop Drive	San Ramon	CA
4	15850	Target Corporation- Store T-949	2610 Bishop Drive	San Ramon	CA
5	20604	Paycheck Inc	12647 Alcosta Blvd, Ste 200	San Ramon	CA
6	20909	Safe Security	2440 Camino Ramon, Bldg 8 parking lot	San Ramon	CA
7	21143	General Electric Software	2623 Camino Ramon	San Ramon	CA
8	21709	Sunset Development Company	4000 Executive Pkwy	San Ramon	CA
9	21793	Pacific Gas & Electric Company	6121 Bollinger Canyon Rd	San Ramon	CA
10	22282	2600 CR LLC, Sunset Development	2600 Camino Ramon	San Ramon	CA
11	23612	City of San Ramon	7000 Bollinger Canyon Rd	San Ramon	CA
12	100941	7- Eleven Inc. #37993	1091 Market PI	San Ramon	CA
13	109731	San Ramon Valley FPD STA #34	12599 Alcosta Blvd	San Ramon	CA

#	Zip	County	Cancer	Hazard	PM_25	Type	Count
1	94583	Contra Costa	<i>No Data</i>	<i>No Data</i>	0.000	Contact BAAQMD	1
2	94583	Contra Costa	93.37	0.14	0.119	Generators	1
3	94583	Contra Costa	15.34	0.02	0.020	Generators	1
4	94583	Contra Costa	0.01	0.00	0.000	Contact BAAQMD	1
5	94583	Contra Costa	6.55	0.01	0.008	Generators	1
6	94583	Contra Costa	6.58	0.01	0.008	Generators	1
7	94583	Contra Costa	3.57	0.01	0.005	Generators	1
8	94583	Contra Costa	5.67	0.00	1.064	Contact BAAQMD	1
9	94583	Contra Costa	22.02	0.06	0.027	Generators	1
10	94583	Contra Costa	40.05	0.06	0.051	Contact BAAQMD	1
11	94583	Contra Costa	<i>No Data</i>	<i>No Data</i>	<i>No Data</i>	Contact BAAQMD	1
12	94583	Contra Costa	2.83	0.01	<i>No Data</i>	Gas Dispensing Facility	1
13	94583	Contra Costa	0.01	0.00	<i>No Data</i>	Gas Dispensing Facility	1




Note: The estimated risk and hazard impacts from these sources would be expected to be substantially lower when site specific Health Risk Screening Assessments are conducted.

The screening level map is not recommended for evaluating sensitive land uses such as schools, senior centers, day cares, and health facilities.

Locations of Existing Stationary Sources

Locations of existing stationary sources based on address data (13 stationary sources with 1,000 feet of the planning area boundary, with two addresses being the sites of two stationary sources each).

Legend

-  1,000-foot buffer
-  Location of Existing Stationary Sources
-  Planning Area



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FACILITY DETAILS

Facility Information

Facility Name : Pacific Gas & Electric Company Facility ID : 21793
 Street : 6121 Bollinger Canyon Rd [SIC Code](#) : 4922
 City : San Ramon Zip : 94583
 Phone : (415) 215-6914
[County](#) : Contra Costa
[Air Basin](#) : San Francisco Bay Area
[District](#) : [Bay Area Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization	2015	No	10	1
Chronic Prioritization	2015	No	10	1
Acute Prioritization	2015		10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk	2013	10	10	100
Chronic Hazard Index	2013		>10	none
Acute Hazard Index	2013		>10	none

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2017 Download CSV file	TOG	0	Tons/Yr
	ROG	0	Tons/Yr
	CO	0.1	Tons/Yr
	NOX	0.2	Tons/Yr
	SOX	0	Tons/Yr
	PM	0	Tons/Yr
	PM10	0	Tons/Yr
	PM2.5	0	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	Arsenic	0	Lbs/Yr
	Benzene	1.1	Lbs/Yr
	Beryllium	0	Lbs/Yr
	Cadmium	0	Lbs/Yr
	Cr(VI)	0	Lbs/Yr
	DieselExhPM	5.3	Lbs/Yr
	Formaldehyde	0.1	Lbs/Yr
	Lead	0	Lbs/Yr
	Manganese	0	Lbs/Yr
	Mercury	0	Lbs/Yr
	Nickel	0	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

[\[Start a new search\]](#)

[ARB Homepage](#)

A department of the California Environmental Protection Agency

FACID	CO	AB	DIS	POLLUTANT_ID	POLLUTANT	EMISSIONS_LBS_YR
21793	7	SF	BA	7440382	Arsenic	0.000987
21793	7	SF	BA	71432	Benzene	1.133532
21793	7	SF	BA	7440417	Beryllium	0.000579
21793	7	SF	BA	7440439	Cadmium	0.002468
21793	7	SF	BA	18540299	Cr(VI)	5.11E-05
21793	7	SF	BA	9901	DieselExhPM	5.34332
21793	7	SF	BA	50000	Formaldehyde	0.09378
21793	7	SF	BA	7439921	Lead	0.002093
21793	7	SF	BA	7439965	Manganese	0.003285
21793	7	SF	BA	7439976	Mercury	0.000698
21793	7	SF	BA	7440020	Nickel	0.039929



Step 1:	
Plant Name	Pacific Gas and Electric
Plant No.	21793

Step 2:	
What is the distance (m) from the facility boundary to the MEI?	300

Step 4:	
Specify Source Type	
Does facility have only diesel backup generators?	NO
Is this analysis for a gas station?	NO

Note: Select "yes" if diesel backup generators are used. If source is not a generator or gas station.

Step 5:		
Read Estimates:		
GHG	2.899	per 1,000,000
Cancer Risk	0.008	
Chronic Hazard	0.000	
Total PM2.5 Concentration	0.000	ug/m ³

Step 3: Enter Emissions Data					
Chemical Name	CAS No.	Emission (lb/day)	Cancer (per 1,000,000)	Chronic (index)	Concentration (ug/m ³)
Fine Particulate Matter (PM2.5)					
1,1,1-Trichloroethane	71556	0.00E+00			
1,1,2-Trichloroethane	79345	0.00E+00			
1,1,2-Trichloroethane	79005	0.00E+00			
1,1-Dichloroethane	75343	0.00E+00			
1,1-Dichloroethylene	75354	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzop-dioxin	324879	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	39001020	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzop-dioxin	35822469	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	61662394	0.00E+00			
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673897	0.00E+00			
1,2,3,4,7,8-Hexachlorodibenzop-dioxin	38227286	0.00E+00			
1,2,3,4,7,8-Hexachlorodibenzofuran	70642629	0.00E+00			
1,2,3,6,7,8-Hexachlorodibenzop-dioxin	57653857	0.00E+00			
1,2,3,6,7,8-Hexachlorodibenzofuran	57117449	0.00E+00			
1,2,3,7,8-Hexachlorodibenzop-dioxin	39488743	0.00E+00			
1,2,3,7,8-Hexachlorodibenzofuran	72918219	0.00E+00			
1,2,3,7,8-Pentachlorodibenzop-dioxin	40321764	0.00E+00			
1,2,3,7,8-Pentachlorodibenzofuran	57117416	0.00E+00			
1,2-Dibromo-3-chloropropane	96128	0.00E+00			
1,2-Dibromoethane	106934	0.00E+00			
1,2-Dichloroethane	1070462	0.00E+00			
1,2-Epoxybutane	106987	0.00E+00			
1,3-Butadiene	106990	0.00E+00			
1,3-Propane sulfone	1120714	0.00E+00			
1,4-Dichlorobenzene	106467	0.00E+00			
1,4-Dioxane	123911	0.00E+00			
1,6-Dinitropyrene	42397648	0.00E+00			
1,8-Dinitropyrene	42397659	0.00E+00			
1-Nitropyrene	5522430	0.00E+00			
2,3,4,4',5'-PeCB	65510443	0.00E+00			
2,3,4,4',5',5'-HxCB	59363776	0.00E+00			
2,3,4,4',5'-PeCB	31508006	0.00E+00			
2,3,3',4,4',5'-HxCB	69782907	0.00E+00			
2,3,3',4,4',5',5'-HpCB	39635319	0.00E+00			
2,3,3',4,4',5'-HxCB	38380084	0.00E+00			
2,3,3',4,4'-PeCB	31595144	0.00E+00			
2,3,4,4',5'-PeCB	74422370	0.00E+00			
2,3,4,6,7,8-hexachlorodibenzofuran	60851345	0.00E+00			
2,3,4,7,8-Pentachlorodibenzofuran	57117314	0.00E+00			
2,3,7,8-Tetrachlorodibenzop-dioxin and related compou	1746016	0.00E+00			
2,3,7,8-Tetrachlorodibenzofuran	51207919	0.00E+00			
2,4,6-Trichlorophenol	88652	0.00E+00			
2,4-Diaminotoluene	615054	0.00E+00			
2,4-Diaminotoluene	95807	0.00E+00			
2,4-Dinitrotoluene	121142	0.00E+00			
2-Aminonaphthoquinone	117793	0.00E+00			
2-Nitrofluorene	607578	0.00E+00			
3,3',4,4',5,5'-HxCB	32774166	0.00E+00			
3,3',4,4',5'-PeCB	57465288	0.00E+00			
3,3',4,4'-TCB	32598133	0.00E+00			
3,3'-dichlorobenzidine	91841	0.00E+00			
3,4,4'-TCB	70362504	0.00E+00			
3-Methylanthrene	56495	0.00E+00			
4,4-Methylene bis(2-chloroaniline)	101144	0.00E+00			
4,4-Methylenedianiline	101779	0.00E+00			
4-Chloro-ortho-phenylmethanamine	95830	0.00E+00			
4-Dimethylaminobenzene	60117	0.00E+00			
4-Nitropyrene	57835924	0.00E+00			
5-Methylchrysenes	3697243	0.00E+00			
5-Nitroacenaphthene	602879	0.00E+00			
6-Nitrochrysenes	9496928	0.00E+00			
7,12-Dimethylbenzo[a]naphthalene	57976	0.00E+00			
7H-dibenzof-g-carbazole	194592	0.00E+00			
Acetaldehyde	75070	0.00E+00			
Acetamide	60355	0.00E+00			
Acrylonitrile	107028	0.00E+00			
Acrylamide	79618	0.00E+00			
Acrylic Acid	79107	0.00E+00			
Acrylonitrile	107131	0.00E+00			
Allyl chloride	107051	0.00E+00			
Ammonia	7664427	0.00E+00			
Aniline	62513	0.00E+00			
Arsenic	7440382	2.70E-06	6.23E-01	3.65E-02	
Arsine	7784421	0.00E+00			
Asbestos [1/100 PCM fibers/m ³]-1	1332214	0.00E+00			
Benzo[a]naphthalene	56513	0.00E+00	3.97E-01	1.96E-03	
Benzo[e]pyrene	71432	3.11E-03			
Benzo[g]quinoline	92875	0.00E+00			
Benzo[a]pyrene	50328	0.00E+00			
Benzo[b]fluoranthene	205992	0.00E+00			
Benzo[k]fluoranthene	205823	0.00E+00			
Benzo[a]fluoranthene	207089	0.00E+00			
Benzyl Chloride	100447	0.00E+00			
Beryllium	7440417	1.59E-06	1.70E-02	4.28E-04	
Bis(2-chloroethyl) ether	111444	0.00E+00			
Bis(2-chloromethyl) ether	542881	0.00E+00	1.30E-01	1.28E-03	
Calcium	7440439	6.76E-06			
Caprolactam	105602	0.00E+00			
Carbon Disulfide	75150	0.00E+00			
Carbon Monoxide	63080	0.00E+00			
Carbon Tetrachloride	56235	0.00E+00			
Carbonyl Sulfide	463581	0.00E+00			
Chlorinated paraffins (Avg. chain length C12; approx. 60	108171262	0.00E+00			
Chlorine	7782505	0.00E+00			
Chlorine Dioxide	10049044	0.00E+00			
Chlorine	7782505	0.00E+00			
Chlorobenzene	1089027	0.00E+00			
Chlorodibromomethane	124481	0.00E+00			
Chloroethane (Ethyl Chloride)	75003	0.00E+00			
Chloroform	67663	0.00E+00			
Chloropyrene	76062	0.00E+00			
Chromic Trioxide	1333820	0.00E+00			
Chromium hexavalent	18540299	1.40E-07	1.00E-01	1.32E-06	
Barium chromate2	10294403	0.00E+00			
Calcium chromate2	13761390	0.00E+00			
Lead chromate2	7758976	0.00E+00			
Sodium dichromate2	10588019	0.00E+00			
Strontium chromate2	7789062	0.00E+00			
CHROMIC TRIOXIDE (as chromic acid mist)	1333820	0.00E+00			
Chrysenes	218019	0.00E+00			
Copper	7440508	0.00E+00			
Copper and Copper Compounds	7440508	0.00E+00			
Cresol Mixtures	1319773	0.00E+00			
Cupferron	135206	0.00E+00			
Cyanide	57325	0.00E+00			
Di(2-ethylhexyl)phthalate	117817	0.00E+00			
Dibenzofluoranthene	226368	0.00E+00			
Dibenzofluoranthene	53703	0.00E+00			
Dibenzofluoranthene	224420	0.00E+00			
Dibenzofluoranthene	192654	0.00E+00			
Dibenzofluoranthene	189849	0.00E+00			
Dibenzofluoranthene	189559	0.00E+00			
Dibenzofluoranthene	191300	0.00E+00			

Diesel Exhaust Particulate	85105	1.46E-02
Diethanolamine	113422	0.00E+00
Dimethylformamide	48122	0.00E+00
Direct Black 38 (Technical Grade)	393737	0.00E+00
Direct Blue 6 (Technical Grade)	262462	0.00E+00
Direct Brown 95 (Technical Grade)	1607866	0.00E+00
Epichlorohydrin	106898	0.00E+00
Ethylbenzene	106814	0.00E+00
Ethylene Glycol	107211	0.00E+00
Ethylene Glycol Monobutyl Ether	111762	0.00E+00
Ethylene Glycol Monoethyl Ether	110805	0.00E+00
Ethylene Glycol Monoethyl Ether Acetate	111159	0.00E+00
Ethylene Glycol Monomethyl Ether	109864	0.00E+00
Ethylene Glycol Monomethyl Ether Acetate	110496	0.00E+00
Ethylene Oxide	75218	0.00E+00
Ethylene Thiourea	96457	0.00E+00
Fluorides	1101	0.00E+00
Formaldehyde (gas)	50800	2.57E-04
Glutaraldehyde	111308	0.00E+00
Hexachlorobenzene	118741	0.00E+00
Hexachlorocyclohexane (Technical Grade)	608731	0.00E+00
Hexachlorocyclohexane: Alpha isomer	319846	0.00E+00
Hexachlorocyclohexane: Beta isomer	319857	0.00E+00
Hexachlorocyclohexane: Gamma isomer	58999	0.00E+00
Hydrazine	302012	0.00E+00
Hydrogen Chloride	7647010	0.00E+00
Hydrogen Cyanide	74908	0.00E+00
Hydrogen Fluoride	7664393	0.00E+00
Hydrogen Selenide	7783775	0.00E+00
Hydrogen Sulfide	7783064	0.00E+00
Indeno[1,2,3-c-d]pyrene	193395	0.00E+00
Isophorone	78591	0.00E+00
Isopropyl Alcohol	67630	0.00E+00
Lead Acetate	303442	0.00E+00
Lead and Lead Compounds	7439921	5.74E-06
Lead Phosphate	7446277	0.00E+00
Lead Subacetate	1335326	0.00E+00
m-CRESOL	108994	0.00E+00
m-XYLENE	108383	0.00E+00
N,N-Diethylhydrazine	108316	0.00E+00
Manganese & Manganese Compounds	7439965	9.00E-06
Mercury (Inorganic)	7439976	1.91E-06
Mercuric chloride	7487947	0.00E+00
Methanol	87961	0.00E+00
Methyl Bromide	74839	0.00E+00
Methyl Ethyl Ketone	78933	0.00E+00
Methyl Isocyanate	624839	0.00E+00
Methyl Tertiary Butyl Ether	1634044	0.00E+00
Methylene Chloride (Dichloromethane)	75292	0.00E+00
Methylene Diphemyl Isocyanate (MDI)	101688	0.00E+00
Michlers Ketone	90948	0.00E+00
n-Hexane	110543	0.00E+00
n-Nitrosop-n-methylamine	1095956	0.00E+00
n-Nitrosop-n-butylamine	244169	0.00E+00
n-Nitrosop-n-propylamine	621447	0.00E+00
n-Nitrosodimethylamine	55185	0.00E+00
n-Nitrosodimethylamine	62759	0.00E+00
n-Nitrosodiphenylamine	86306	0.00E+00
n-Nitrosomorpholine	59892	0.00E+00
n-Nitrosopiperidine	100754	0.00E+00
n-Nitrosopyrrolidine	93052	0.00E+00
Naphthalene	91203	0.00E+00
Nickel and Nickel Compounds	7440220	1.09E-04
Nickel acetate	373224	0.00E+00
Nickel carbonate	333673	0.00E+00
Nickel carbonyl	13463393	0.00E+00
Nickel hydroxide	12054487	0.00E+00
Nickelocene	1271289	0.00E+00
Nickel Oxide	1313991	0.00E+00
Nickel Refinery Dust	1146	0.00E+00
Nickel Sulfide	12035722	0.00E+00
Nitric Acid	7697372	0.00E+00
Nitrogen Dioxide	10102440	0.00E+00
p-CRESOL	96487	0.00E+00
p-XYLENE	95476	0.00E+00
Oleum	8014957	0.00E+00
Ozone	10028156	0.00E+00
p-Chloro-o-toluidine	95692	0.00E+00
p-Cresidine	120718	0.00E+00
p-CRESOL	106445	0.00E+00
p-Nitrosodiphenylamine	156105	0.00E+00
p-XYLENE	106423	0.00E+00
Pentachlorophenol	87865	0.00E+00
Perchloroethylene	127184	0.00E+00
Phenol	108952	0.00E+00
Phosgene	75445	0.00E+00
Phosphine	7803512	0.00E+00
Phosphoric Acid	7664382	0.00E+00
Phthalic Anhydride	85449	0.00E+00
Polychlorinated Biphenyls	1336363	0.00E+00
Potassium Bromate	7758012	0.00E+00
Propylene	115071	0.00E+00
Propylene Glycol Monomethyl Ether	107982	0.00E+00
Propylene oxide	75669	0.00E+00
Selenium	7782492	0.00E+00
Selenium sulfide	7446346	0.00E+00
Silica (crystalline, respirable)	7631869	0.00E+00
Sodium hydroxide	1310732	0.00E+00
Styrene	100425	0.00E+00
Sulfates	996	0.00E+00
Sulfur Dioxide	7446095	0.00E+00
Sulfuric Acid	7664939	0.00E+00
Sulfur Trioxide	7446719	0.00E+00
Tertiarybutyl acetate	546845	0.00E+00
Tetrachloroethylene	127184	0.00E+00
Thioacetamide	62555	0.00E+00
Toluene	108883	0.00E+00
Toluene Diisocyanates	26471625	0.00E+00
Toluene Diisocyanates (2,4 and 2,6)	584849	0.00E+00
Toluene Diisocyanates (2,4 and 2,6)	91087	0.00E+00
Trichloroethylene	79016	0.00E+00
Triethylamine	123448	0.00E+00
Urethane	51796	0.00E+00
Vanadium pentoxide	1314821	0.00E+00
Vinyl acetate	100054	0.00E+00
Vinyl chloride	75014	0.00E+00
Xylenes (technical mixture of m, o, p-isomers)	1330207	0.00E+00
Vanadium	7440022	0.00E+00

2.06E+01

5.53E-03

6.90E-03

5.40E-05

7.10E-03

1.89E-04

6.69E-04

1.27E-01

1.48E-02

TOTAL UNADJUSTED Risk Values 22.001 0.061 0.000



FACILITY DETAILS

Facility Information

Facility Name : City Of San Ramon Facility ID : 23612
 Street : 7000 Bollinger Canyon Rd [SIC Code](#) : 8062
 City : San Ramon Zip : 94583
 Phone : (925) 973-2807
[County](#) : Contra Costa
[Air Basin](#) : San Francisco Bay Area
[District](#) : [Bay Area Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization	2015	Yes	10	1
Chronic Prioritization	2015	No	10	1
Acute Prioritization	2015		10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk		9.99	10	100
Chronic Hazard Index		.99	>10	none
Acute Hazard Index			>10	none

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : F

Emissions Data

	Pollutant	Emissions	Unit
Data from 2017 Download CSV file	TOG	0.2	Tons/Yr
	ROG	0.1	Tons/Yr
	CO	0.8	Tons/Yr
	NOX	2.8	Tons/Yr
	SOX	0	Tons/Yr
	PM	0.1	Tons/Yr
	PM10	0.1	Tons/Yr
	PM2.5	0.1	Tons/Yr
TOXIC DATA MAY COME FROM VARIOUS YEARS			
Download CSV file	Arsenic	0	Lbs/Yr
	Beryllium	0	Lbs/Yr
	Cadmium	0	Lbs/Yr
	Cr(VI)	0	Lbs/Yr
	DieselExhPM	158.7	Lbs/Yr
	Lead	0	Lbs/Yr
	Manganese	0.1	Lbs/Yr
	Mercury	0	Lbs/Yr
	Nickel	0.7	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

[\[Start a new search\]](#)

[ARB Homepage](#)

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FACID	CO	AB	DIS	POLLUTANT_ID	POLLUTANT	EMISSIONS_LBS_YR
23612	7	SF	BA	7440382	Arsenic	0.017699
23612	7	SF	BA	7440417	Beryllium	0.010375
23612	7	SF	BA	7440439	Cadmium	0.044247
23612	7	SF	BA	18540299	Cr(VI)	0.000915
23612	7	SF	BA	9901	DieselExhPM	158.7116
23612	7	SF	BA	7439921	Lead	0.037533
23612	7	SF	BA	7439965	Manganese	0.058894
23612	7	SF	BA	7439976	Mercury	0.012511
23612	7	SF	BA	7440020	Nickel	0.715882



Step 1:	
Plant Name	City of San Ramon (DPM analyzed separately)
Plant No.	23612

Step 4:	
Specify Source Type	
Does facility have any diesel backup generators?	yes
Is this analysis for a gas station?	no

Note: Values shown above are estimates used if source is not registered for gas station.

Step 2:	
Estimate Distance	
What is the distance (m) from the facility boundary to the MEI?	35

Step 5:		
Read Estimates:		
GHG	11.520	per 1,000,000
Cancer Risk	0.618	
Chronic Hazard	0.000	
Total PM2.5 Concentration	0.000	ug/m ³

Step 3: Enter Emissions Data					
Chemical Name	CAS No.	Emission (lb/day)	Cancer (per 1,000,000)	Chronic (index)	Concentration (ug/m ³)
Fine Particulate Matter (PM2.5)					
1,1,1-Trichloroethane	71556	0.00E+00			
1,1,2-Trichloroethane	79345	0.00E+00			
1,1,2-Trichloroethane	79005	0.00E+00			
1,1-Dichloroethane	75343	0.00E+00			
1,1-Dichloroethylene	75354	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzop-dioxin	324679	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	39001020	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzop-dioxin	35822469	0.00E+00			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	61562394	0.00E+00			
1,2,3,4,7,8,9-Heptachlorodibenzofuran	56573897	0.00E+00			
1,2,3,4,7,8-Hexachlorodibenzop-dioxin	38227286	0.00E+00			
1,2,3,4,7,8-Hexachlorodibenzofuran	70642629	0.00E+00			
1,2,3,6,7,8-Hexachlorodibenzop-dioxin	57653857	0.00E+00			
1,2,3,6,7,8-Hexachlorodibenzofuran	57117449	0.00E+00			
1,2,3,7,8-Hexachlorodibenzop-dioxin	39488743	0.00E+00			
1,2,3,7,8-Hexachlorodibenzofuran	72912119	0.00E+00			
1,2,3,7,8-Pentachlorodibenzop-dioxin	40321764	0.00E+00			
1,2,3,7,8-Pentachlorodibenzofuran	57117416	0.00E+00			
1,2-Dibromo-3-chloropropane	96128	0.00E+00			
1,2-Dibromoethane	106934	0.00E+00			
1,2-Dichloroethane	107082	0.00E+00			
1,2-Epoxybutane	106987	0.00E+00			
1,3-Butadiene	106990	0.00E+00			
1,3-Propane sulfone	1120714	0.00E+00			
1,4-Dichlorobenzene	106467	0.00E+00			
1,4-Dioxane	123911	0.00E+00			
1,6-Dinitropyrene	42397648	0.00E+00			
1,8-Dinitropyrene	42397659	0.00E+00			
1-Nitropyrene	5522430	0.00E+00			
2,3,4,4',5'-PcCB	65510443	0.00E+00			
2,3,4,4',5',5'-HxCB	59363776	0.00E+00			
2,3,4,4',5'-PcCB	31508006	0.00E+00			
2,3,3',4,4',5'-HxCB	69782907	0.00E+00			
2,3,3',4,4',5',5'-HpCB	39635319	0.00E+00			
2,3,3',4,4',5'-HxCB	38380084	0.00E+00			
2,3,3',4,4'-PcCB	31598144	0.00E+00			
2,3,4,4',5'-PcCB	74422370	0.00E+00			
2,3,4,6,7,8-hexachlorodibenzofuran	60851345	0.00E+00			
2,3,4,7,8-Pentachlorodibenzofuran	57117314	0.00E+00			
2,3,7,8-Tetrachlorodibenzop-dioxin and related compou	1746016	0.00E+00			
2,3,7,8-Tetrachlorodibenzofuran	52407919	0.00E+00			
2,4,6-Trichlorophenol	88662	0.00E+00			
2,4-Diaminotoluene	615054	0.00E+00			
2,4-Diaminotoluene	95807	0.00E+00			
2,4-Dinitrotoluene	121142	0.00E+00			
2-Aminonaphthoquinone	117793	0.00E+00			
2-Nitrofluorene	607578	0.00E+00			
3,3',4,4',5,5'-HxCB	32774166	0.00E+00			
3,3',4,4',5'-PcCB	57465288	0.00E+00			
3,3',4,4'-TCB	32598133	0.00E+00			
3,3'-dichlorobenzidine	91841	0.00E+00			
3,4,4'-TCB	70362504	0.00E+00			
3-Methylanthrene	56495	0.00E+00			
4,4-Methylene bis(2-chloroaniline)	101144	0.00E+00			
4,4-Methylenedianiline	101779	0.00E+00			
4-Chloro-ortho-phenylmethanamine	95830	0.00E+00			
4-Dimethylaminobenzene	60117	0.00E+00			
4-Nitropyrene	57835924	0.00E+00			
5-Methylchrysenes	3697243	0.00E+00			
5-Nitroacenaphthene	602879	0.00E+00			
6-Nitrochrysenes	9496928	0.00E+00			
7,12-Dimethylbenzo(a)anthracene	57976	0.00E+00			
7H-dibenzof-g-carbazole	194592	0.00E+00			
Acetaldehyde	75070	0.00E+00			
Acetamide	60355	0.00E+00			
Acrylonitrile	107028	0.00E+00			
Acrylamide	79661	0.00E+00			
Acrylic Acid	79107	0.00E+00			
Acrylonitrile	107131	0.00E+00			
Allyl chloride	107051	0.00E+00			
Ammonia	7664427	0.00E+00			
Aniline	62533	0.00E+00			
Arsenic	7440382	4.85E-05	1.12E+01	6.55E-01	
Arsine	7784421	0.00E+00			
Asbestos [1/(100 PCM fibers/m ³)]*1	1332214	0.00E+00			
Benzo(a)anthracene	56553	0.00E+00			
Benzenes	71432	0.00E+00			
Benzo(b)pyrene	92875	0.00E+00			
Benzo(a)pyrene	50328	0.00E+00			
Benzo(b)fluoranthene	205992	0.00E+00			
Benzo(k)fluoranthene	205823	0.00E+00			
Benzo(b)fluoranthene	207089	0.00E+00			
Benzyl Chloride	100447	0.00E+00			
Beryllium	7440417	2.84E-05	3.05E-01	7.67E-03	
Bis(2-chloroethyl) ether	111444	0.00E+00			
Bis(2-chloroethyl) ether	542881	0.00E+00			
Cadmium	7440439	1.21E-04	2.33E+00	2.29E-02	
Caprolactam	105602	0.00E+00			
Carbon Disulfide	75150	0.00E+00			
Carbon Monoxide	63080	0.00E+00			
Carbon Tetrachloride	56235	0.00E+00			
Carbonyl Sulfide	463581	0.00E+00			
Chlorinated paraffins (Avg. chain length C12; approx. 60	108171262	0.00E+00			
Chlorine	7782505	0.00E+00			
Chlorine Dioxide	10049044	0.00E+00			
Chlorine	7782505	0.00E+00			
Chlorobenzene	1089027	0.00E+00			
Chlorodibromomethane	124481	0.00E+00			
Chloroethane (Ethyl Chloride)	75003	0.00E+00			
Chloroform	67663	0.00E+00			
Chloropyrene	76062	0.00E+00			
Chromic Trioxide	1333820	0.00E+00			
Chromium hexavalent	18540299	2.51E-06	1.80E+00	2.37E-05	
Barium chromate2	10294403	0.00E+00			
Calcium chromate2	13761390	0.00E+00			
Lead chromate2	7758976	0.00E+00			
Sodium dichromate2	10588019	0.00E+00			
Strontium chromate2	7789062	0.00E+00			
CHROMIC TRIOXIDE (as chromic acid mist)	1333820	0.00E+00			
Chrysenes	218019	0.00E+00			
Copper	7440508	0.00E+00			
Copper and Copper Compounds	7440508	0.00E+00			
Cresol Mixtures	1319773	0.00E+00			
Cupferron	135206	0.00E+00			
Cyanide	57325	0.00E+00			
Di(2-ethylhexyl)phthalate	117817	0.00E+00			
Dibenzof-lacridine	226368	0.00E+00			
Dibenzof-lanthracene	53703	0.00E+00			
Dibenzof-lacridine	224420	0.00E+00			
Dibenzof-lpyrene	192654	0.00E+00			
Dibenzof-lpyrene	189849	0.00E+00			
Dibenzof-lpyrene	189559	0.00E+00			
Dibenzof-lpyrene	191300	0.00E+00			

Diesel Exhaust Particulate	85105	0.00E+00
Diethanolamine	113422	0.00E+00
Dimethylformamide	48122	0.00E+00
Direct Black 38 (Technical Grade)	393737	0.00E+00
Direct Blue 6 (Technical Grade)	262462	0.00E+00
Direct Brown 95 (Technical Grade)	1607866	0.00E+00
Epichlorohydrin	106898	0.00E+00
Ethylbenzene	106814	0.00E+00
Ethylene Glycol	107211	0.00E+00
Ethylene Glycol Monobutyl Ether	111762	0.00E+00
Ethylene Glycol Monoethyl Ether	110805	0.00E+00
Ethylene Glycol Monoethyl Ether Acetate	111159	0.00E+00
Ethylene Glycol Monomethyl Ether	109864	0.00E+00
Ethylene Glycol Monomethyl Ether Acetate	110496	0.00E+00
Ethylene Oxide	75218	0.00E+00
Ethylene Thiourea	96457	0.00E+00
Fluorides	1101	0.00E+00
Formaldehyde (gas)	50800	0.00E+00
Gutaraldehyde	111308	0.00E+00
Hexachlorobenzene	118741	0.00E+00
Hexachlorocyclohexane (Technical Grade)	608731	0.00E+00
Hexachlorocyclohexane- Alpha isomer	319846	0.00E+00
Hexachlorocyclohexane- Beta isomer	319857	0.00E+00
Hexachlorocyclohexane- Gamma isomer	58899	0.00E+00
Hydrazine	302012	0.00E+00
Hydrogen Chloride	7647010	0.00E+00
Hydrogen Cyanide	74908	0.00E+00
Hydrogen Fluoride	7664393	0.00E+00
Hydrogen Selenide	7783775	0.00E+00
Hydrogen Sulfide	7783064	0.00E+00
Indeno[1,2,3-c-d]pyrene	193395	0.00E+00
Isophorone	78591	0.00E+00
Isopropyl Alcohol	67630	0.00E+00
Lead Acetate	30342	0.00E+00
Lead and Lead Compounds	7439921	1.03E-04
Lead Phosphate	7446277	0.00E+00
Lead Subacetate	1335326	0.00E+00
m-CRESOL	108994	0.00E+00
m-XYLENE	108383	0.00E+00
N,N-Diethylhydrazine	108316	0.00E+00
Manganese & Manganese Compounds	7439965	1.61E-04
Mercury (Inorganic)	7439976	3.43E-05
Mercuric chloride	7487947	0.00E+00
Methanol	87961	0.00E+00
Methyl Bromide	74839	0.00E+00
Methyl Ethyl Ketone	78933	0.00E+00
Methyl Isocyanate	624839	0.00E+00
Methyl Tertiary Butyl Ether	1634044	0.00E+00
Methylene Chloride (Dichloromethane)	75292	0.00E+00
Methylene Diphenyl Isocyanate (MDI)	101688	0.00E+00
Michlers Ketone	90948	0.00E+00
n-Hexane	110543	0.00E+00
n-Nitrosop-n-methylamine	1095956	0.00E+00
n-Nitrosop-n-butylamine	244169	0.00E+00
n-Nitrosop-n-propylamine	621447	0.00E+00
n-Nitrosodimethylamine	55185	0.00E+00
n-Nitrosodimethylamine	62759	0.00E+00
n-Nitrosodiphenylamine	86306	0.00E+00
n-Nitrosomorpholine	59892	0.00E+00
n-Nitrosopiperidine	100754	0.00E+00
n-Nitrosopyrrolidine	93052	0.00E+00
Naphthalene	91203	0.00E+00
Nickel and Nickel Compounds	744020	1.96E-03
Nickel acetate	37324	0.00E+00
Nickel carbonate	333673	0.00E+00
Nickel carbonyl	1346393	0.00E+00
Nickel hydroxide	12054487	0.00E+00
Nickelocene	1271289	0.00E+00
Nickel Oxide	1313991	0.00E+00
Nickel Refinery Dust	1146	0.00E+00
Nickel Sulfide	12035722	0.00E+00
Nitric Acid	7697372	0.00E+00
Nitrogen Dioxide	10102440	0.00E+00
p-CRESOL	96487	0.00E+00
p-XYLENE	95476	0.00E+00
Oleum	8014957	0.00E+00
Ozone	10028156	0.00E+00
p-Chloro-o-toluidine	95692	0.00E+00
p-Cresidine	120718	0.00E+00
p-CRESOL	106445	0.00E+00
p-Nitrosodiphenylamine	156105	0.00E+00
p-XYLENE	106423	0.00E+00
Pentachlorophenol	87865	0.00E+00
Pentachlorophenylene	127184	0.00E+00
Phenol	108952	0.00E+00
Phosgene	75445	0.00E+00
Phosphine	7803512	0.00E+00
Phosphoric Acid	7664382	0.00E+00
Phthalic Anhydride	85449	0.00E+00
Polychlorinated Biphenyls	1336363	0.00E+00
Potassium Bromate	7758012	0.00E+00
Propylene	115071	0.00E+00
Propylene Glycol Monomethyl Ether	107982	0.00E+00
Propylene oxide	75669	0.00E+00
Selenium	7782492	0.00E+00
Selenium sulfide	7446346	0.00E+00
Silica (crystalline, respirable)	7631869	0.00E+00
Sodium hydroxide	1310732	0.00E+00
Styrene	100425	0.00E+00
Sulfates	996	0.00E+00
Sulfur Dioxide	7446095	0.00E+00
Sulfuric Acid	7664939	0.00E+00
Sulfur Trioxide	7446719	0.00E+00
Tertiarybutyl acetate	546845	0.00E+00
Tetrachloroethylene	127184	0.00E+00
Thioacetamide	62555	0.00E+00
Toluene	108883	0.00E+00
Toluene Diisocyanates	26471625	0.00E+00
Toluene Diisocyanates (2,4 and 2,6)	584849	0.00E+00
Toluene Diisocyanates (2,4 and 2,6)	91087	0.00E+00
Trichloroethylene	79016	0.00E+00
Triethylamine	123448	0.00E+00
Urethane	51796	0.00E+00
Vanadium pentoxide	1314821	0.00E+00
Vinyl acetate	100504	0.00E+00
Vinyl chloride	75014	0.00E+00
Xylenes (technical mixture of m, o, p-isomers)	1330207	0.00E+00
Vanadium	7440022	0.00E+00

1.20E-01

3.39E-03
1.20E-02

2.28E+00

2.65E-01

TOTAL UNADJUSTED Risk Values 18.000 0.965 0.000

* AERMOT (19191): C:\Users\kjohnson\Desktop\24910031_CityWalk\CityWalk_offsite\CityWal
 * AERMET (14134):
 * MODELING OPTIONS USED: RegDEFAULT CONC ELEV URBAN
 * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: SRCGP1
 * FOR A TOTAL OF 917 RECEPTORS.
 * FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

04/02/20
 23:05:35

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
591531.34000	4180294.89000	0.00354	137.66	137.66	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180294.89000	0.00361	137.47	137.47	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180294.89000	0.00369	137.26	137.26	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180304.89000	0.00323	137.96	137.96	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180304.89000	0.00329	137.71	137.71	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180304.89000	0.00336	137.39	137.39	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180304.89000	0.00342	137.07	137.07	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180304.89000	0.00349	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591521.34000	4180314.89000	0.00291	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180314.89000	0.00296	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180314.89000	0.00301	137.74	137.74	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180314.89000	0.00306	137.41	137.41	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180314.89000	0.00312	137.07	137.07	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180314.89000	0.00318	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591581.34000	4180314.89000	0.00323	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591591.34000	4180314.89000	0.00329	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591521.34000	4180324.89000	0.00267	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180324.89000	0.00271	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180324.89000	0.00276	137.74	137.74	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180324.89000	0.00281	137.41	137.41	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180324.89000	0.00286	137.07	137.07	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180324.89000	0.00290	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591581.34000	4180324.89000	0.00295	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591591.34000	4180324.89000	0.00300	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591601.34000	4180324.89000	0.00305	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591611.34000	4180324.89000	0.00310	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591511.34000	4180334.89000	0.00243	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591521.34000	4180334.89000	0.00246	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180334.89000	0.00250	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180334.89000	0.00254	137.74	137.74	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180334.89000	0.00258	137.41	137.41	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180334.89000	0.00262	137.07	137.07	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180334.89000	0.00267	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591581.34000	4180334.89000	0.00271	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591591.34000	4180334.89000	0.00275	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591601.34000	4180334.89000	0.00280	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591611.34000	4180334.89000	0.00284	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591621.34000	4180334.89000	0.00289	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591631.34000	4180334.89000	0.00294	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005	
591511.34000	4180344.89000	0.00224	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591521.34000	4180344.89000	0.00228	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180344.89000	0.00231	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180344.89000	0.00234	137.82	137.82	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180344.89000	0.00238	137.58	137.58	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180344.89000	0.00242	137.35	137.35	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180344.89000	0.00245	137.22	137.22	0.00	ANNUAL	SRCGP1	00000005	
591581.34000	4180344.89000	0.00249	137.12	137.12	0.00	ANNUAL	SRCGP1	00000005	
591591.34000	4180344.89000	0.00253	137.02	137.02	0.00	ANNUAL	SRCGP1	00000005	
591601.34000	4180344.89000	0.00257	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591611.34000	4180344.89000	0.00262	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591621.34000	4180344.89000	0.00266	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591631.34000	4180344.89000	0.00271	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005	
591501.34000	4180354.89000	0.00205	138.05	138.05	0.00	ANNUAL	SRCGP1	00000005	
591511.34000	4180354.89000	0.00208	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591521.34000	4180354.89000	0.00211	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591531.34000	4180354.89000	0.00214	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005	
591541.34000	4180354.89000	0.00217	137.90	137.90	0.00	ANNUAL	SRCGP1	00000005	
591551.34000	4180354.89000	0.00220	137.78	137.78	0.00	ANNUAL	SRCGP1	00000005	
591561.34000	4180354.89000	0.00224	137.66	137.66	0.00	ANNUAL	SRCGP1	00000005	
591571.34000	4180354.89000	0.00227	137.47	137.47	0.00	ANNUAL	SRCGP1	00000005	

591581.34000	4180354.89000	0.00231	137.26	137.26	0.00	ANNUAL	SRCGP1	00000005
591591.34000	4180354.89000	0.00235	137.05	137.05	0.00	ANNUAL	SRCGP1	00000005
591601.34000	4180354.89000	0.00239	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591611.34000	4180354.89000	0.00243	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591621.34000	4180354.89000	0.00247	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591631.34000	4180354.89000	0.00251	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591511.34000	4180364.89000	0.00194	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591521.34000	4180364.89000	0.00197	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591531.34000	4180364.89000	0.00199	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591541.34000	4180364.89000	0.00202	137.99	137.99	0.00	ANNUAL	SRCGP1	00000005
591551.34000	4180364.89000	0.00205	137.98	137.98	0.00	ANNUAL	SRCGP1	00000005
591561.34000	4180364.89000	0.00208	137.96	137.96	0.00	ANNUAL	SRCGP1	00000005
591571.34000	4180364.89000	0.00212	137.71	137.71	0.00	ANNUAL	SRCGP1	00000005
591581.34000	4180364.89000	0.00215	137.39	137.39	0.00	ANNUAL	SRCGP1	00000005
591591.34000	4180364.89000	0.00219	137.07	137.07	0.00	ANNUAL	SRCGP1	00000005
591601.34000	4180364.89000	0.00223	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591611.34000	4180364.89000	0.00227	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591621.34000	4180364.89000	0.00231	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591531.34000	4180374.89000	0.00187	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591541.34000	4180374.89000	0.00189	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591551.34000	4180374.89000	0.00192	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591561.34000	4180374.89000	0.00195	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591571.34000	4180374.89000	0.00198	137.82	137.82	0.00	ANNUAL	SRCGP1	00000005
591581.34000	4180374.89000	0.00202	137.58	137.58	0.00	ANNUAL	SRCGP1	00000005
591591.34000	4180374.89000	0.00205	137.35	137.35	0.00	ANNUAL	SRCGP1	00000005
591601.34000	4180374.89000	0.00209	137.22	137.22	0.00	ANNUAL	SRCGP1	00000005
591611.34000	4180374.89000	0.00213	137.12	137.12	0.00	ANNUAL	SRCGP1	00000005
591551.34000	4180384.89000	0.00181	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591561.34000	4180384.89000	0.00184	138.00	138.00	0.00	ANNUAL	SRCGP1	00000005
591571.34000	4180384.89000	0.00187	137.90	137.90	0.00	ANNUAL	SRCGP1	00000005
591581.34000	4180384.89000	0.00190	137.78	137.78	0.00	ANNUAL	SRCGP1	00000005
591591.34000	4180384.89000	0.00193	137.66	137.66	0.00	ANNUAL	SRCGP1	00000005
591601.34000	4180384.89000	0.00197	137.47	137.47	0.00	ANNUAL	SRCGP1	00000005
591611.34000	4180384.89000	0.00201	137.26	137.26	0.00	ANNUAL	SRCGP1	00000005
591581.34000	4180394.89000	0.00180	137.98	137.98	0.00	ANNUAL	SRCGP1	00000005
591591.34000	4180394.89000	0.00183	137.97	137.97	0.00	ANNUAL	SRCGP1	00000005
591601.34000	4180394.89000	0.00187	137.71	137.71	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4179980.52000	0.00576	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4179990.52000	0.00631	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4179990.52000	0.00615	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592022.80000	4179990.52000	0.00615	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4179990.52000	0.00633	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592042.80000	4179990.52000	0.00671	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591992.80000	4180000.52000	0.00734	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4180000.52000	0.00695	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4180000.52000	0.00675	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592022.80000	4180000.52000	0.00674	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180000.52000	0.00695	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592042.80000	4180000.52000	0.00740	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592052.80000	4180000.52000	0.00814	133.25	133.25	0.00	ANNUAL	SRCGP1	00000005
591992.80000	4180010.52000	0.00819	133.05	133.05	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4180010.52000	0.00772	133.10	133.10	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4180010.52000	0.00746	133.15	133.15	0.00	ANNUAL	SRCGP1	00000005
592022.80000	4180010.52000	0.00744	133.15	133.15	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180010.52000	0.00768	133.15	133.15	0.00	ANNUAL	SRCGP1	00000005
592042.80000	4180010.52000	0.00822	133.15	133.15	0.00	ANNUAL	SRCGP1	00000005
591982.80000	4180020.52000	0.01001	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591992.80000	4180020.52000	0.00921	133.15	133.15	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4180020.52000	0.00863	133.31	133.31	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4180020.52000	0.00831	133.47	133.47	0.00	ANNUAL	SRCGP1	00000005
592022.80000	4180020.52000	0.00827	133.48	133.48	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180020.52000	0.00855	133.48	133.48	0.00	ANNUAL	SRCGP1	00000005
592042.80000	4180020.52000	0.00920	133.48	133.48	0.00	ANNUAL	SRCGP1	00000005
591992.80000	4180030.52000	0.01043	133.25	133.25	0.00	ANNUAL	SRCGP1	00000005
592002.80000	4180030.52000	0.00972	133.52	133.52	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4180030.52000	0.00931	133.80	133.80	0.00	ANNUAL	SRCGP1	00000005
592022.80000	4180030.52000	0.00924	133.82	133.82	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180030.52000	0.00958	133.82	133.82	0.00	ANNUAL	SRCGP1	00000005
592012.80000	4180040.52000	0.01050	133.98	133.98	0.00	ANNUAL	SRCGP1	00000005

592022.80000	4180040.52000	0.01038	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180040.52000	0.01078	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
592032.80000	4180050.52000	0.01218	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
592044.31000	4180036.06000	0.01130	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
592054.60000	4180018.42000	0.01025	133.63	133.63	0.00	ANNUAL	SRCGP1	00000005
592063.42000	4180004.46000	0.00970	133.63	133.63	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179904.01000	0.00339	132.60	132.60	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179904.01000	0.00356	132.60	132.60	0.00	ANNUAL	SRCGP1	00000005
592033.60000	4179914.01000	0.00350	132.93	132.93	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179914.01000	0.00364	132.93	132.93	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179914.01000	0.00383	132.93	132.93	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179914.01000	0.00410	132.93	132.93	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179914.01000	0.00444	132.93	132.93	0.00	ANNUAL	SRCGP1	00000005
592033.60000	4179924.01000	0.00375	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179924.01000	0.00390	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179924.01000	0.00413	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179924.01000	0.00443	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179924.01000	0.00482	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179924.01000	0.00530	133.09	133.09	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179924.01000	0.00587	133.18	133.18	0.00	ANNUAL	SRCGP1	00000005
592023.60000	4179934.01000	0.00393	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592033.60000	4179934.01000	0.00403	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179934.01000	0.00420	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179934.01000	0.00446	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179934.01000	0.00481	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179934.01000	0.00525	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179934.01000	0.00581	133.20	133.20	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179934.01000	0.00647	133.40	133.40	0.00	ANNUAL	SRCGP1	00000005
592103.60000	4179934.01000	0.00723	133.60	133.60	0.00	ANNUAL	SRCGP1	00000005
592023.60000	4179944.01000	0.00423	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592033.60000	4179944.01000	0.00433	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179944.01000	0.00453	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179944.01000	0.00483	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179944.01000	0.00523	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179944.01000	0.00575	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179944.01000	0.00640	133.31	133.31	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179944.01000	0.00717	133.62	133.62	0.00	ANNUAL	SRCGP1	00000005
592103.60000	4179944.01000	0.00805	133.93	133.93	0.00	ANNUAL	SRCGP1	00000005
592043.60000	4179954.01000	0.00490	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592053.60000	4179954.01000	0.00525	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179954.01000	0.00572	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179954.01000	0.00632	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179954.01000	0.00708	133.34	133.34	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179954.01000	0.00797	133.67	133.67	0.00	ANNUAL	SRCGP1	00000005
592103.60000	4179954.01000	0.00899	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
592063.60000	4179964.01000	0.00627	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592073.60000	4179964.01000	0.00698	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179964.01000	0.00787	133.34	133.34	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179964.01000	0.00891	133.67	133.67	0.00	ANNUAL	SRCGP1	00000005
592083.60000	4179974.01000	0.00879	133.34	133.34	0.00	ANNUAL	SRCGP1	00000005
592093.60000	4179974.01000	0.01001	133.67	133.67	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179947.87000	0.00680	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179947.87000	0.00629	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179947.87000	0.00584	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591961.40000	4179947.87000	0.00543	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591911.40000	4179957.87000	0.00882	133.40	133.40	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179957.87000	0.00816	133.07	133.07	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179957.87000	0.00755	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179957.87000	0.00697	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179957.87000	0.00644	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591961.40000	4179957.87000	0.00597	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591971.40000	4179957.87000	0.00556	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591911.40000	4179967.87000	0.00987	133.40	133.40	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179967.87000	0.00912	133.07	133.07	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179967.87000	0.00842	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179967.87000	0.00776	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179967.87000	0.00715	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591961.40000	4179967.87000	0.00660	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591901.40000	4179977.87000	0.01193	133.75	133.75	0.00	ANNUAL	SRCGP1	00000005

591911.40000	4179977.87000	0.01109	133.44	133.44	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179977.87000	0.01025	133.13	133.13	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179977.87000	0.00945	133.05	133.05	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179977.87000	0.00869	133.02	133.02	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179977.87000	0.00797	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591961.40000	4179977.87000	0.00733	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591911.40000	4179987.87000	0.01255	133.64	133.64	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179987.87000	0.01162	133.44	133.44	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179987.87000	0.01069	133.29	133.29	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179987.87000	0.00980	133.16	133.16	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179987.87000	0.00896	133.03	133.03	0.00	ANNUAL	SRCGP1	00000005
591931.40000	4179997.87000	0.01217	133.54	133.54	0.00	ANNUAL	SRCGP1	00000005
591941.40000	4179997.87000	0.01112	133.29	133.29	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4179997.87000	0.01012	133.05	133.05	0.00	ANNUAL	SRCGP1	00000005
591951.40000	4180007.87000	0.01152	133.07	133.07	0.00	ANNUAL	SRCGP1	00000005
591962.91000	4179993.40000	0.00862	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591973.20000	4179975.77000	0.00653	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591982.02000	4179961.81000	0.00538	133.00	133.00	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179937.87000	0.00663	133.05	133.05	0.00	ANNUAL	SRCGP1	00000005
591921.40000	4179947.87000	0.00734	133.07	133.07	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180193.49000	0.07620	134.12	134.12	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180203.49000	0.06334	134.07	134.07	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180203.49000	0.07085	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180203.49000	0.07981	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180203.49000	0.09064	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591928.66000	4180203.49000	0.10386	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591878.66000	4180213.49000	0.04595	134.04	134.04	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180213.49000	0.05039	134.01	134.01	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180213.49000	0.05549	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180213.49000	0.06140	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180213.49000	0.06827	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591928.66000	4180213.49000	0.07628	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591938.66000	4180213.49000	0.08561	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591878.66000	4180223.49000	0.03596	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180223.49000	0.03880	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180223.49000	0.04194	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180223.49000	0.04542	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180223.49000	0.04925	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591928.66000	4180223.49000	0.05343	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591868.66000	4180233.49000	0.02612	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591878.66000	4180233.49000	0.02771	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180233.49000	0.02942	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180233.49000	0.03125	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180233.49000	0.03317	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180233.49000	0.03520	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591928.66000	4180233.49000	0.03729	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591878.66000	4180243.49000	0.02140	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591888.66000	4180243.49000	0.02244	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180243.49000	0.02353	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180243.49000	0.02467	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180243.49000	0.02587	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591898.66000	4180253.49000	0.01831	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591908.66000	4180253.49000	0.01915	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180253.49000	0.02008	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591918.66000	4180263.49000	0.01657	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591930.17000	4180249.03000	0.02361	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591940.46000	4180231.39000	0.04302	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591949.28000	4180217.43000	0.08204	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591903.45000	4180192.15000	0.09358	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591935.17000	4180104.24000	0.06878	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591935.17000	4180114.24000	0.08347	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591945.17000	4180114.24000	0.08199	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591955.17000	4180114.24000	0.07864	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591965.17000	4180114.24000	0.07328	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591975.17000	4180114.24000	0.06601	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591925.17000	4180124.24000	0.09866	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591935.17000	4180124.24000	0.10093	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591945.17000	4180124.24000	0.10141	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591955.17000	4180124.24000	0.09953	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005

591860.28000	4180119.24000	0.06679	134.08	134.08	0.00	ANNUAL	SRCGP1	00000005
591870.28000	4180119.24000	0.07100	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591880.28000	4180119.24000	0.07526	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591890.28000	4180119.24000	0.07946	134.00	134.00	0.00	ANNUAL	SRCGP1	00000005
591870.28000	4180129.24000	0.07604	134.08	134.08	0.00	ANNUAL	SRCGP1	00000005
591880.28000	4180129.24000	0.08163	134.05	134.05	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180188.57000	0.01302	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180208.57000	0.01095	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180208.57000	0.01141	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180208.57000	0.01189	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591654.79000	4180208.57000	0.01241	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.79000	4180208.57000	0.01297	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591674.79000	4180208.57000	0.01356	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591614.79000	4180218.57000	0.00955	136.29	136.29	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180218.57000	0.00993	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180218.57000	0.01032	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180188.57000	0.01361	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180218.57000	0.01074	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591654.79000	4180218.57000	0.01118	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.79000	4180218.57000	0.01165	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591674.79000	4180218.57000	0.01216	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591604.79000	4180228.57000	0.00834	136.62	136.62	0.00	ANNUAL	SRCGP1	00000005
591614.79000	4180228.57000	0.00864	136.29	136.29	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180228.57000	0.00896	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180188.57000	0.01424	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180228.57000	0.00929	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180228.57000	0.00964	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591654.79000	4180228.57000	0.01001	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.79000	4180228.57000	0.01041	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591674.79000	4180228.57000	0.01082	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180198.57000	0.01199	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591604.79000	4180238.57000	0.00751	136.62	136.62	0.00	ANNUAL	SRCGP1	00000005
591614.79000	4180238.57000	0.00777	136.29	136.29	0.00	ANNUAL	SRCGP1	00000005
591624.79000	4180238.57000	0.00804	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180238.57000	0.00832	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180238.57000	0.00861	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591654.79000	4180238.57000	0.00891	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.79000	4180238.57000	0.00924	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591674.79000	4180238.57000	0.00958	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591634.79000	4180198.57000	0.01251	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591644.79000	4180198.57000	0.01306	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591654.79000	4180198.57000	0.01366	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.79000	4180198.57000	0.01430	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591614.79000	4180208.57000	0.01051	136.29	136.29	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180179.56000	0.01218	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180199.56000	0.01047	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591603.91000	4180199.56000	0.01090	136.65	136.65	0.00	ANNUAL	SRCGP1	00000005
591613.91000	4180199.56000	0.01136	136.32	136.32	0.00	ANNUAL	SRCGP1	00000005
591583.91000	4180209.56000	0.00925	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180209.56000	0.00959	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591603.91000	4180209.56000	0.00997	136.65	136.65	0.00	ANNUAL	SRCGP1	00000005
591603.91000	4180179.56000	0.01271	136.65	136.65	0.00	ANNUAL	SRCGP1	00000005
591573.91000	4180219.56000	0.00816	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591583.91000	4180219.56000	0.00845	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180219.56000	0.00875	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591613.91000	4180179.56000	0.01327	136.32	136.32	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180189.56000	0.01134	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591583.91000	4180229.56000	0.00768	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591593.91000	4180229.56000	0.00794	136.99	136.99	0.00	ANNUAL	SRCGP1	00000005
591603.91000	4180189.56000	0.01182	136.65	136.65	0.00	ANNUAL	SRCGP1	00000005
591613.91000	4180189.56000	0.01233	136.32	136.32	0.00	ANNUAL	SRCGP1	00000005
591583.91000	4180199.56000	0.01007	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591604.22000	4180259.92000	0.00596	136.81	136.81	0.00	ANNUAL	SRCGP1	00000005
591614.22000	4180259.92000	0.00614	136.63	136.63	0.00	ANNUAL	SRCGP1	00000005
591624.22000	4180259.92000	0.00631	136.45	136.45	0.00	ANNUAL	SRCGP1	00000005
591634.22000	4180259.92000	0.00650	136.30	136.30	0.00	ANNUAL	SRCGP1	00000005
591644.22000	4180259.92000	0.00669	136.14	136.14	0.00	ANNUAL	SRCGP1	00000005
591654.22000	4180259.92000	0.00689	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.22000	4180259.92000	0.00709	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005

591594.22000	4180269.92000	0.00522	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591604.22000	4180269.92000	0.00535	136.93	136.93	0.00	ANNUAL	SRCGP1	00000005
591614.22000	4180269.92000	0.00549	136.86	136.86	0.00	ANNUAL	SRCGP1	00000005
591624.22000	4180269.92000	0.00563	136.78	136.78	0.00	ANNUAL	SRCGP1	00000005
591634.22000	4180269.92000	0.00579	136.51	136.51	0.00	ANNUAL	SRCGP1	00000005
591644.22000	4180269.92000	0.00594	136.25	136.25	0.00	ANNUAL	SRCGP1	00000005
591654.22000	4180269.92000	0.00611	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.22000	4180269.92000	0.00627	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591594.22000	4180279.92000	0.00469	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591604.22000	4180279.92000	0.00480	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591614.22000	4180279.92000	0.00492	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591624.22000	4180279.92000	0.00503	136.98	136.98	0.00	ANNUAL	SRCGP1	00000005
591634.22000	4180279.92000	0.00516	136.64	136.64	0.00	ANNUAL	SRCGP1	00000005
591644.22000	4180279.92000	0.00529	136.31	136.31	0.00	ANNUAL	SRCGP1	00000005
591654.22000	4180279.92000	0.00542	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591664.22000	4180279.92000	0.00555	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591604.32000	4180218.77000	0.00916	136.64	136.64	0.00	ANNUAL	SRCGP1	00000005
591601.61000	4180249.39000	0.00663	136.76	136.76	0.00	ANNUAL	SRCGP1	00000005
591611.61000	4180249.39000	0.00684	136.47	136.47	0.00	ANNUAL	SRCGP1	00000005
591621.61000	4180249.39000	0.00706	136.17	136.17	0.00	ANNUAL	SRCGP1	00000005
591631.61000	4180249.39000	0.00728	136.08	136.08	0.00	ANNUAL	SRCGP1	00000005
591641.61000	4180249.39000	0.00752	136.04	136.04	0.00	ANNUAL	SRCGP1	00000005
591651.61000	4180249.39000	0.00776	136.01	136.01	0.00	ANNUAL	SRCGP1	00000005
591661.61000	4180249.39000	0.00801	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591671.61000	4180249.39000	0.00828	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591615.77000	4180289.23000	0.00446	137.00	137.00	0.00	ANNUAL	SRCGP1	00000005
591625.77000	4180289.23000	0.00456	136.93	136.93	0.00	ANNUAL	SRCGP1	00000005
591635.77000	4180289.23000	0.00466	136.59	136.59	0.00	ANNUAL	SRCGP1	00000005
591645.77000	4180289.23000	0.00477	136.26	136.26	0.00	ANNUAL	SRCGP1	00000005
591655.77000	4180289.23000	0.00489	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591637.90000	4180298.88000	0.00422	136.52	136.52	0.00	ANNUAL	SRCGP1	00000005
591647.90000	4180298.88000	0.00431	136.19	136.19	0.00	ANNUAL	SRCGP1	00000005
591684.03000	4180213.32000	0.01343	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591694.03000	4180213.32000	0.01407	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591683.62000	4180224.23000	0.01182	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591693.62000	4180224.23000	0.01234	136.00	136.00	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180489.25000	0.00073	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180489.25000	0.00074	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591331.43000	4180489.25000	0.00075	140.77	140.77	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180499.25000	0.00071	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180499.25000	0.00072	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591331.43000	4180499.25000	0.00073	140.85	140.85	0.00	ANNUAL	SRCGP1	00000005
591341.43000	4180499.25000	0.00074	140.67	140.67	0.00	ANNUAL	SRCGP1	00000005
591351.43000	4180499.25000	0.00075	140.48	140.48	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180509.25000	0.00068	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180509.25000	0.00069	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180509.25000	0.00070	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591331.43000	4180509.25000	0.00071	140.94	140.94	0.00	ANNUAL	SRCGP1	00000005
591341.43000	4180509.25000	0.00072	140.87	140.87	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180519.25000	0.00067	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180519.25000	0.00068	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180519.25000	0.00068	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591331.43000	4180519.25000	0.00069	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591341.43000	4180519.25000	0.00070	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591291.43000	4180529.25000	0.00064	141.07	141.07	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180529.25000	0.00065	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180529.25000	0.00066	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180529.25000	0.00067	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591331.43000	4180529.25000	0.00068	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591291.43000	4180539.25000	0.00063	141.07	141.07	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180539.25000	0.00064	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180539.25000	0.00065	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180539.25000	0.00066	141.00	141.00	0.00	ANNUAL	SRCGP1	00000005
591281.43000	4180549.25000	0.00061	141.47	141.47	0.00	ANNUAL	SRCGP1	00000005
591291.43000	4180549.25000	0.00062	141.17	141.17	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180549.25000	0.00063	141.08	141.08	0.00	ANNUAL	SRCGP1	00000005
591311.43000	4180549.25000	0.00064	141.04	141.04	0.00	ANNUAL	SRCGP1	00000005
591321.43000	4180549.25000	0.00065	141.01	141.01	0.00	ANNUAL	SRCGP1	00000005
591301.43000	4180559.25000	0.00062	141.32	141.32	0.00	ANNUAL	SRCGP1	00000005

590864.45000	4180434.38000	0.00061	144.30	144.30	0.00	ANNUAL	SRCGP1	00000005
590874.45000	4180434.38000	0.00062	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590884.45000	4180434.38000	0.00062	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590894.45000	4180434.38000	0.00063	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590904.45000	4180434.38000	0.00063	143.98	143.98	0.00	ANNUAL	SRCGP1	00000005
590843.02000	4180463.51000	0.00054	145.00	145.00	0.00	ANNUAL	SRCGP1	00000005
590844.45000	4180444.38000	0.00057	144.97	144.97	0.00	ANNUAL	SRCGP1	00000005
590854.45000	4180444.38000	0.00058	144.64	144.64	0.00	ANNUAL	SRCGP1	00000005
590864.45000	4180444.38000	0.00059	144.30	144.30	0.00	ANNUAL	SRCGP1	00000005
590874.45000	4180444.38000	0.00060	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590884.45000	4180444.38000	0.00060	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590894.45000	4180444.38000	0.00060	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590844.45000	4180454.38000	0.00056	144.97	144.97	0.00	ANNUAL	SRCGP1	00000005
590854.45000	4180454.38000	0.00056	144.64	144.64	0.00	ANNUAL	SRCGP1	00000005
590864.45000	4180454.38000	0.00057	144.30	144.30	0.00	ANNUAL	SRCGP1	00000005
590874.45000	4180454.38000	0.00058	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590884.45000	4180454.38000	0.00058	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590894.45000	4180454.38000	0.00058	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590864.45000	4180464.38000	0.00055	144.30	144.30	0.00	ANNUAL	SRCGP1	00000005
590874.45000	4180464.38000	0.00056	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590884.45000	4180464.38000	0.00056	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590884.45000	4180474.38000	0.00054	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590855.27000	4180469.24000	0.00054	144.61	144.61	0.00	ANNUAL	SRCGP1	00000005
590872.75000	4180476.17000	0.00054	144.03	144.03	0.00	ANNUAL	SRCGP1	00000005
590846.37000	4180474.52000	0.00052	144.91	144.91	0.00	ANNUAL	SRCGP1	00000005
590861.54000	4180483.10000	0.00052	144.40	144.40	0.00	ANNUAL	SRCGP1	00000005
590876.05000	4180487.71000	0.00052	144.00	144.00	0.00	ANNUAL	SRCGP1	00000005
590844.39000	4180411.20000	0.00065	144.97	144.97	0.00	ANNUAL	SRCGP1	00000005
590852.64000	4180393.07000	0.00070	144.70	144.70	0.00	ANNUAL	SRCGP1	00000005

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

Gasoline Dispensing Facility (GDF) Distance Multiplier Tool: This distance multiplier tool refines the screening values for cancer risk and chronic hazard index found in the District's Stationary Source Screening Analysis Tool for GDF's, to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Gas Station				
Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard
0	0.0	1.000		0.0000
5	16.4	1.000		0.0000
10	32.8	1.000		0.0000
15	49.2	1.000		0.0000
20	65.6	1.000		0.0000
25	82.0	0.728		0.0000
30	98.4	0.559		0.0000
35	114.8	0.445		0.0000
40	131.2	0.365		0.0000
45	147.6	0.305		0.0000
50	164.0	0.260		0.0000
55	180.4	0.225		0.0000
60	196.9	0.197		0.0000
65	213.3	0.174		0.0000
70	229.7	0.155		0.0000
75	246.1	0.139		0.0000
80	262.5	0.126		0.0000
85	278.9	0.114		0.0000
90	295.3	0.104		0.0000
95	311.7	0.096		0.0000
100	328.1	0.088		0.0000
105	344.5	0.082		0.0000
110	360.9	0.076		0.0000
115	377.3	0.071		0.0000
120	393.7	0.066		0.0000
125	410.1	0.062		0.0000
130	426.5	0.058		0.0000
135	442.9	0.055		0.0000
140	459.3	0.052		0.0000
145	475.7	0.049		0.0000
150	492.1	0.046		0.0000
155	508.5	0.044		0.0000
160	524.9	0.042		0.0000
165	541.3	0.040		0.0000
170	557.7	0.038		0.0000
175	574.1	0.036		0.0000
180	590.6	0.034		0.0000
185	607.0	0.033		0.0000
190	623.4	0.031		0.0000
195	639.8	0.030		0.0000
200	656.2	0.029		0.0000
205	672.6	0.028		0.0000
210	689.0	0.027		0.0000
215	705.4	0.026		0.0000
220	721.8	0.025		0.0000
225	738.2	0.024		0.0000
230	754.6	0.023		0.0000
235	771.0	0.022		0.0000
240	787.4	0.022		0.0000
245	803.8	0.021		0.0000
250	820.2	0.020		0.0000
255	836.6	0.020		0.0000
260	853.0	0.019		0.0000
265	869.4	0.018		0.0000
270	885.8	0.018		0.0000
275	902.2	0.017		0.0000
280	918.6	0.017		0.0000
285	935.0	0.016		0.0000
290	951.4	0.016		0.0000
295	967.8	0.015		0.0000
300	984.3	0.015		0.0000

Diesel Internal Combustion (IC) Engine Distance Multiplier Tool: This distance multiplier tool refines the screening values for cancer risk and PM_{2.5} concentrations found in the District's Stationary Source Screening Analysis Tool for permitted facilities which contain only diesel IC engines, to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Diesel Backup Generator						
Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
5	16.4	1.000		0		0
10	32.8	1.000		0		0
15	49.2	1.000		0		0
20	65.6	1.000		0		0
25	82.0	0.85		0		0
30	98.4	0.73		0		0
35	114.8	0.64		0		0
40	131.2	0.58		0		0
50	164.0	0.5		0		0
60	196.9	0.41		0		0
70	229.7	0.31		0		0
80	262.5	0.28		0		0
90	295.3	0.25		0		0
100	328.1	0.22		0		0
110	360.9	0.18		0		0
120	393.7	0.16		0		0
130	426.5	0.15		0		0
140	459.3	0.14		0		0
150	492.1	0.12		0		0
160	524.9	0.1		0		0
180	590.6	0.09		0		0
200	656.2	0.08		0		0
220	721.8	0.07		0		0
240	787.4	0.06		0		0
260	853.0	0.05		0		0
280	918.6	0.04		0		0

Generic Distance Multiplier Tool: This distance multiplier tool refines the screening values to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Generic Case		
Distance (meters)	Distance (feet)	Multiplier
0	0.0	1.000
5	16.4	1.000
10	32.8	0.883
15	49.2	0.855
20	65.6	0.827
25	82.0	0.801
30	98.4	0.775
35	114.8	0.750
40	131.2	0.726
45	147.6	0.702
50	164.0	0.679
55	180.4	0.658
60	196.9	0.636
65	213.3	0.616
70	229.7	0.596
75	246.1	0.577
80	262.5	0.558
85	278.9	0.540
90	295.3	0.523
95	311.7	0.506
100	328.1	0.489
105	344.5	0.474
110	360.9	0.458
115	377.3	0.444
120	393.7	0.429
125	410.1	0.415
130	426.5	0.402
135	442.9	0.389
140	459.3	0.376
145	475.7	0.364
150	492.1	0.353
155	508.5	0.341
160	524.9	0.330
165	541.3	0.319
170	557.7	0.309
175	574.1	0.299
180	590.6	0.290
185	607.0	0.280
190	623.4	0.271
195	639.8	0.262
200	656.2	0.254
205	672.6	0.246
210	689.0	0.238
215	705.4	0.230
220	721.8	0.223
225	738.2	0.216
230	754.6	0.209
235	771.0	0.202
240	787.4	0.195
245	803.8	0.189
250	820.2	0.183
255	836.6	0.177
260	853.0	0.171
265	869.4	0.166
270	885.8	0.160
275	902.2	0.155
280	918.6	0.150
285	935.0	0.145
290	951.4	0.141
295	967.8	0.136
300	984.3	0.132

San Ramon Complaint Summary February 2017 - February 2020

Complaint	Type	Description	Occurrence Date	Status	Site Number	Site Name	Site Address	City	Distance From CityWalk Site
									Boundary
240541	DST	piles of dirt	7/17/19 8:30	UNCNF	Z6419	NONE	Twins Creek Dr	San Ramon	< 1 mile
241121	SMK	large amounts	9/6/19 18:00	UNCNF	Z6668	The Habit Grill	3121 Crow Canyon Pl	San Ramon	< 1 mile
234071	ASB	demolition	1/18/18 15:00	UNCNF	Z2701	NONE	2540 San Ramon Valley Blv	San Ramon	< 1 mile
241849	GSN	pump #7	11/1/19 13:50	UNCNF	Z6922	Site Name	11060 Bollinger Canyon Rd	San Ramon	>1 mile<2 miles
231775	DST	not watering down	6/6/17 8:00	UNCNF	Y7919	Saria Development	Bollinger Canyon Rd/Deerwood Dr	San Ramon	>1 mile<2 miles
231728	DST		5/26/17 0:00	UNCNF	Y7515	Calatlantic Homes	Faria Property	San Ramon	>1 mile<2 miles
231607	DST		5/15/17 20:08	UNCNF	Y7515	Calatlantic Homes	Faria Property	San Ramon	>1 mile<2 miles
237081	OTH	toxic concerns	8/21/18 0:00	UNCNF	Z4819	SFD	18311 Bollinger Canyon Rd	San Ramon	> 2 miles
233127	ODR	sewage	10/20/17 0:00	UNCNF	Z1019	San Ramon Golf Course	9430 Firmcrest	San Ramon	> 2 miles

Notes:

UNCNF = Unconfirmed complaint

Source of Odor Complaint Information: Bay Area Air Quality Management District (BAAQMD). 2020. Public Record Request No. 2020-02-0031. Received February 5, 2020.

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C.4 - CalEEMod Output Files—Greenhouse Gas Emissions

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CalEEMod Output—Greenhouse Gas Emissions

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Note: * Emissions for 2048 were estimated through linear interpolation using emission estimates for the 2045 and 2050 operational years, as CalEEMod does not provide an option to select for the 2048 operational year.

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

**Site Work for the Entire Project Site - Unmitigated Construction
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	109.03	Acre	109.03	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Project Characteristics - Site work for the entire project site
Based on conceptual site plan and final project description

Land Use - Site work for the entire project site

Based on conceptual site plan and final project description

120.40 acres - 11.37 acres of water = 109.03 acres total for Bishop Ranch 1A, Bishop Ranch 3A, and Bishop Ranch 2600.

Construction Phase - Excavation and grading would be completed for the entire project site in a single phase.

Excavation and grading anticipated to take 60 days maximum.

Off-road Equipment - Additional on-site equipment added to represent water truck usage during the grading phase.

Trips and VMT - Truck capacity: 10 cubic yards

3,500 truckloads (7,000 total haul trips for the export of material)

Grading - Approximately 35,000 cubic yards export

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	310.00	60.00
tblConstructionPhase	NumDays	120.00	60.00
tblGrading	MaterialExported	0.00	35,000.00
tblLandUse	LandUseSquareFeet	4,749,346.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblTripsAndVMT	HaulingTripNumber	4,375.00	7,000.00

2.0 Emissions Summary

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529
Maximum	0.3099	3.8626	1.9925	6.6100e-003	0.8737	0.1355	1.0092	0.4251	0.1248	0.5499	0.0000	604.1650	604.1650	0.1195	0.0000	607.1529

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3099	3.8626	1.9925	6.6100e-003	0.4314	0.1355	0.5669	0.2018	0.1248	0.3266	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525
Maximum	0.3099	3.8626	1.9925	6.6100e-003	0.4314	0.1355	0.5669	0.2018	0.1248	0.3266	0.0000	604.1646	604.1646	0.1195	0.0000	607.1525

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.62	0.00	43.83	52.54	0.00	40.62	0.00	0.00	0.00	0.00	0.00	0.00

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	4.1765	4.1765
		Highest	4.1765	4.1765

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	3/25/2021	5	60	60 days maximum
2	Grading	Grading	1/1/2021	3/25/2021	5	60	60 days maximum

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 109.03

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	7,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182
Total	0.1167	1.2149	0.6346	1.1400e-003	0.5420	0.0613	0.6033	0.2979	0.0564	0.3544	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181
Total	0.1167	1.2149	0.6346	1.1400e-003	0.2439	0.0613	0.3052	0.1341	0.0564	0.1905	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261
Total	1.6700e-003	1.1700e-003	0.0124	4.0000e-005	4.2800e-003	3.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6241	3.6241	8.0000e-005	0.0000	3.6261

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2622	0.0000	0.2622	0.1082	0.0000	0.1082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1621	1.7078	1.1426	2.6500e-003		0.0711	0.0711		0.0655	0.0655	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609
Total	0.1621	1.7078	1.1426	2.6500e-003	0.2622	0.0711	0.3333	0.1082	0.0655	0.1736	0.0000	233.0763	233.0763	0.0754	0.0000	234.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0487	0.0000	0.0487	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1621	1.7078	1.1426	2.6500e-003		0.0711	0.0711		0.0655	0.0655	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606
Total	0.1621	1.7078	1.1426	2.6500e-003	0.1180	0.0711	0.1891	0.0487	0.0655	0.1141	0.0000	233.0761	233.0761	0.0754	0.0000	234.9606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0272	0.9371	0.1857	2.7200e-003	0.0593	2.9600e-003	0.0623	0.0163	2.8300e-003	0.0191	0.0000	262.1240	262.1240	0.0115	0.0000	262.4114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3200e-003	1.6200e-003	0.0172	6.0000e-005	5.9500e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.0334	5.0334	1.1000e-004	0.0000	5.0363
Total	0.0295	0.9387	0.2029	2.7800e-003	0.0653	3.0000e-003	0.0683	0.0179	2.8700e-003	0.0208	0.0000	267.1574	267.1574	0.0116	0.0000	267.4477

4.0 Operational Detail - Mobile

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Unmitigated	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003
Total	9.0000e-005	1.0000e-005	1.0000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500e-003	1.9500e-003	1.0000e-005	0.0000	2.0700e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Site Work for the Entire Project Site - Unmitigated Construction - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

**CityWalk Master Plan Unmitigated Construction—Phase 1
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	525.00	Space	0.00	210,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	300.00	Dwelling Unit	6.12	300,000.00	960
Regional Shopping Center	61.00	1000sqft	1.40	61,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Unmitigated Construction—Phase 1

Bishop Ranch 3A 169-key hotel

Bishop Ranch 2600 Phase 1 (SE 1)

Land Use - Phase 1 construction includes the 169-key hotel portion of 3A and the SE1 portion of Bishop Ranch 2600.

Based on conceptual site plan on final project description.

Grading analyzed for the entire project site in a separate run.

Construction Phase - Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Following site work and completed in 2022

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	51.00	0.00
tblLandUse	LotAcreage	4.72	0.00
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	18.75	6.12
tblLandUse	Population	858.00	960.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3904	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895
2022	3.9947	2.0507	2.1044	6.6100e-003	0.3099	0.0620	0.3720	0.0838	0.0583	0.1421	0.0000	602.1616	602.1616	0.0568	0.0000	603.5811
Maximum	3.9947	3.4771	3.1246	9.4200e-003	0.5317	0.1166	0.6483	0.1625	0.1090	0.2715	0.0000	855.5289	855.5289	0.0944	0.0000	857.8895

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3904	3.4771	3.1246	9.4200e-003	0.4602	0.1166	0.5767	0.1329	0.1090	0.2418	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891
2022	3.9947	2.0507	2.1044	6.6100e-003	0.3099	0.0620	0.3720	0.0838	0.0583	0.1421	0.0000	602.1614	602.1614	0.0568	0.0000	603.5809
Maximum	3.9947	3.4771	3.1246	9.4200e-003	0.4602	0.1166	0.5767	0.1329	0.1090	0.2418	0.0000	855.5285	855.5285	0.0944	0.0000	857.8891

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.50	0.00	7.01	12.05	0.00	7.17	0.00	0.00	0.00	0.00	0.00	0.00

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-26-2021	6-25-2021	1.4069	1.4069
2	6-26-2021	9-25-2021	1.1894	1.1894
3	9-26-2021	12-25-2021	1.1882	1.1882
4	12-26-2021	3-25-2022	1.0842	1.0842
5	3-26-2022	6-25-2022	1.0912	1.0912
6	6-26-2022	9-25-2022	3.9563	3.9563
		Highest	3.9563	3.9563

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	8.9947	32.9044	41.8990	0.9267	0.0224	71.7453
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	68.8384	1,552.6775	1,621.5160	4.5479	0.0501	1,750.1285

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Energy	0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	1,510.5032	1,510.5032	0.0809	0.0275	1,520.7320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	59.8438	0.0000	59.8438	3.5367	0.0000	148.2604
Water						0.0000	0.0000		0.0000	0.0000	7.1957	26.3235	33.5192	0.7414	0.0179	57.3962
Total	2.9018	0.7116	2.7443	4.2900e-003	0.0000	0.0652	0.0652	0.0000	0.0652	0.0652	67.0395	1,546.0967	1,613.1362	4.3626	0.0456	1,735.7795

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	0.42	0.52	4.08	8.95	0.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/26/2021	5/6/2021	5	30	
2	Building Construction	Building Construction	5/7/2021	6/30/2022	5	300	
3	Paving	Paving	7/1/2022	7/28/2022	5	20	
4	Architectural Coating	Architectural Coating	7/29/2022	8/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 607,500; Residential Outdoor: 202,500; Non-Residential Indoor: 459,582; Non-Residential Outdoor: 153,194; Striped Parking Area: 12,600 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Unmitigated Construction—Phase 1 - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	476.00	136.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	95.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	0.0629	0.6960	0.4632	9.3000e-004	0.1301	0.0298	0.1599	0.0540	0.0274	0.0814	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

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3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	0.0629	0.6960	0.4632	9.3000e-004	0.0586	0.0298	0.0883	0.0243	0.0274	0.0517	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145
Total	9.3000e-004	6.5000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0134	2.0134	5.0000e-005	0.0000	2.0145

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3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444
Total	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

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3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442
Total	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2019	0.3053	3.1400e-003	0.0765	2.7000e-003	0.0792	0.0221	2.5800e-003	0.0247	0.0000	300.5891	300.5891	0.0140	0.0000	300.9380
Worker	0.1261	0.0881	0.9320	3.0200e-003	0.3228	2.1000e-003	0.3249	0.0859	1.9300e-003	0.0878	0.0000	273.1340	273.1340	6.2100e-003	0.0000	273.2892
Total	0.1641	1.2900	1.2374	6.1600e-003	0.3993	4.8000e-003	0.4041	0.1080	4.5100e-003	0.1125	0.0000	573.7231	573.7231	0.0202	0.0000	574.2272

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3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580
Total	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4628	149.4628	0.0358	0.0000	150.3580

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

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3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578
Total	0.1101	1.0072	1.0554	1.7400e-003		0.0522	0.0522		0.0491	0.0491	0.0000	149.4626	149.4626	0.0358	0.0000	150.3578

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.8564	0.2160	2.3500e-003	0.0577	1.7600e-003	0.0595	0.0167	1.6900e-003	0.0184	0.0000	224.6116	224.6116	9.9800e-003	0.0000	224.8612
Worker	0.0884	0.0596	0.6459	2.1900e-003	0.2435	1.5500e-003	0.2451	0.0648	1.4200e-003	0.0662	0.0000	198.3981	198.3981	4.2000e-003	0.0000	198.5031
Total	0.1152	0.9160	0.8619	4.5400e-003	0.3012	3.3100e-003	0.3045	0.0814	3.1100e-003	0.0846	0.0000	423.0097	423.0097	0.0142	0.0000	423.3642

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3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

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3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7553	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

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3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	3.7553	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422
Total	2.7300e-003	1.8400e-003	0.0200	7.0000e-005	7.5300e-003	5.0000e-005	7.5800e-003	2.0000e-003	4.0000e-005	2.0500e-003	0.0000	6.1390	6.1390	1.3000e-004	0.0000	6.1422

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Hotel	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	759.2813	759.2813	0.0665	0.0138	765.0459
NaturalGas Mitigated	0.0759	0.6811	0.5137	4.1400e-003			0.0525	0.0525		0.0525	0.0525	751.2219	751.2219	0.0144	0.0138	755.6861
NaturalGas Unmitigated	0.0759	0.6811	0.5137	4.1400e-003			0.0525	0.0525		0.0525	0.0525	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.05966e+006	0.0165	0.1410	0.0600	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.2748	163.2748	3.1300e-003	2.9900e-003	164.2451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	144570	7.8000e-004	7.0900e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7148	7.7148	1.5000e-004	1.4000e-004	7.7607
Total		0.0759	0.6811	0.5137	4.1400e-003		0.0525	0.0525		0.0525	0.0525	0.0000	751.2219	751.2219	0.0144	0.0138	755.6861

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30464e+006	195.8774	0.0172	3.5500e-003	197.3646
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.2306e+006	184.7612	0.0162	3.3500e-003	186.1639
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	652090	97.9042	8.5800e-003	1.7700e-003	98.6475
Total		759.2813	0.0665	0.0138	765.0459

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909
Unmitigated	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.7000e-004	4.8500e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.6178	5.6178	1.1000e-004	1.0000e-004	5.6512
Landscaping	0.0671	0.0257	2.2286	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6522	3.6522	3.5000e-003	0.0000	3.7397
Total	2.8259	0.0305	2.2306	1.5000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	9.2700	9.2700	3.6100e-003	1.0000e-004	9.3909

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	33.5192	0.7414	0.0179	57.3962
Unmitigated	41.8990	0.9267	0.0224	71.7453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.5462 / 12.3226	28.5559	0.6389	0.0154	49.1300
City Park	0 / 3.217	1.6905	1.5000e-004	3.0000e-005	1.7033
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	4.28698 / 0.476332	5.0931	0.1400	3.3700e-003	9.5967
Regional Shopping Center	4.51842 / 2.76936	6.5595	0.1477	3.5700e-003	11.3153
Total		41.8990	0.9267	0.0224	71.7453

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	15.637 / 9.85809	22.8447	0.5111	0.0124	39.3040
City Park	0 / 2.5736	1.3524	1.2000e-004	2.0000e-005	1.3627
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	3.42959 / 0.381065	4.0745	0.1120	2.6900e-003	7.6774
Regional Shopping Center	3.61474 / 2.21549	5.2476	0.1182	2.8600e-003	9.0522
Total		33.5192	0.7414	0.0179	57.3962

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.8438	3.5367	0.0000	148.2604
Unmitigated	59.8438	3.5367	0.0000	148.2604

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	138	28.0128	1.6555	0.0000	69.4004
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	64.05	13.0016	0.7684	0.0000	32.2108
Total		59.8438	3.5367	0.0000	148.2604

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.10	Acre	1.10	47,916.00	0
Apartments Low Rise	652.00	Dwelling Unit	8.77	652,000.00	1969

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	331	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Unmitigated Construction Phases 2 - 3

CityWalk Master Plan Bishop Ranch 1A

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 1A based conceptual site plan on final project description.

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Bishop Ranch 1A (plan vertical construction phases 2 and 3) anticipated schedule: 2022-2026.

Demolition - No building demolition anticipated.

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Area Mitigation -

Water Mitigation -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	230.00	984.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	110.84	0.00
tblLandUse	LotAcreage	40.75	8.77
tblLandUse	Population	1,865.00	1,969.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4225	3.1106	3.5870	0.0102	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	924.7311	924.7311	0.0938	0.0000	927.0749
2023	0.3987	2.7346	3.5667	0.0105	0.5719	0.0950	0.6669	0.1536	0.0894	0.2430	0.0000	949.4009	949.4009	0.0890	0.0000	951.6254
2024	0.3766	2.6113	3.4814	0.0104	0.5763	0.0843	0.6606	0.1548	0.0793	0.2341	0.0000	939.0894	939.0894	0.0882	0.0000	941.2943
2025	4.6724	2.1860	3.0426	8.9700e-003	0.4969	0.0666	0.5635	0.1335	0.0626	0.1960	0.0000	809.6822	809.6822	0.0803	0.0000	811.6903
2026	0.2297	6.4000e-004	1.6600e-003	0.0000	3.9000e-004	3.0000e-005	4.2000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.6724	3.1106	3.5870	0.0105	0.5946	0.1113	0.7060	0.1758	0.1045	0.2803	0.0000	949.4009	949.4009	0.0938	0.0000	951.6254

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4225	3.1106	3.5870	0.0102	0.5586	0.1113	0.6699	0.1573	0.1045	0.2618	0.0000	924.7307	924.7307	0.0938	0.0000	927.0745
2023	0.3987	2.7346	3.5667	0.0105	0.5719	0.0950	0.6669	0.1536	0.0894	0.2430	0.0000	949.4005	949.4005	0.0890	0.0000	951.6251
2024	0.3766	2.6113	3.4814	0.0104	0.5763	0.0843	0.6606	0.1548	0.0793	0.2341	0.0000	939.0890	939.0890	0.0882	0.0000	941.2940
2025	4.6724	2.1860	3.0426	8.9700e-003	0.4969	0.0666	0.5635	0.1335	0.0626	0.1960	0.0000	809.6818	809.6818	0.0803	0.0000	811.6899
2026	0.2297	6.4000e-004	1.6600e-003	0.0000	3.9000e-004	3.0000e-005	4.2000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	0.3972	0.3972	1.0000e-005	0.0000	0.3975
Maximum	4.6724	3.1106	3.5870	0.0105	0.5763	0.1113	0.6699	0.1573	0.1045	0.2618	0.0000	949.4005	949.4005	0.0938	0.0000	951.6251

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.61	0.00	1.39	3.00	0.00	1.94	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.8437	0.8437
2	4-1-2022	6-30-2022	0.8930	0.8930
3	7-1-2022	9-30-2022	0.9028	0.9028
4	10-1-2022	12-31-2022	0.9124	0.9124
5	1-1-2023	3-31-2023	0.7816	0.7816
6	4-1-2023	6-30-2023	0.7824	0.7824

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

7	7-1-2023	9-30-2023	0.7910	0.7910
8	10-1-2023	12-31-2023	0.7989	0.7989
9	1-1-2024	3-31-2024	0.7477	0.7477
10	4-1-2024	6-30-2024	0.7404	0.7404
11	7-1-2024	9-30-2024	0.7485	0.7485
12	10-1-2024	12-31-2024	0.7559	0.7559
13	1-1-2025	3-31-2025	0.6971	0.6971
14	4-1-2025	6-30-2025	0.6980	0.6980
15	7-1-2025	9-30-2025	0.7057	0.7057
16	10-1-2025	12-31-2025	4.8246	4.8246
17	1-1-2026	3-31-2026	0.1645	0.1645
		Highest	4.8246	4.8246

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	13.4771	49.2731	62.7501	1.3885	0.0336	107.4699
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	74.3764	849.9480	924.3244	5.0395	0.0480	1,064.6219

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Energy	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	780.5576	780.5576	0.0441	0.0142	785.8984
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	60.8993	0.0000	60.8993	3.5991	0.0000	150.8755
Water						0.0000	0.0000		0.0000	0.0000	10.7817	39.4184	50.2001	1.1108	0.0269	85.9759
Total	3.1873	0.3726	4.9633	2.2800e-003	0.0000	0.0525	0.0525	0.0000	0.0525	0.0525	71.6810	840.0934	911.7743	4.7618	0.0413	1,043.1279

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.62	1.16	1.36	5.51	13.99	2.02

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/28/2022	5	20	
2	Building Construction	Building Construction	1/29/2022	11/6/2025	5	984	
3	Paving	Paving	11/7/2025	12/4/2025	5	20	
4	Architectural Coating	Architectural Coating	12/5/2025	1/1/2026	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,320,300; Residential Outdoor: 440,100; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	78.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0295	9.4100e-003	0.0389	0.0152	8.6600e-003	0.0238	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698
Total	4.3000e-004	2.9000e-004	3.1600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9693	0.9693	2.0000e-005	0.0000	0.9698

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357
Total	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0703	278.0703	0.0666	0.0000	279.7357

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354
Total	0.2048	1.8739	1.9636	3.2300e-003		0.0971	0.0971		0.0913	0.0913	0.0000	278.0700	278.0700	0.0666	0.0000	279.7354

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.9138	0.2305	2.5000e-003	0.0616	1.8800e-003	0.0634	0.0178	1.8000e-003	0.0196	0.0000	239.6676	239.6676	0.0107	0.0000	239.9339
Worker	0.1693	0.1141	1.2370	4.2000e-003	0.4664	2.9600e-003	0.4693	0.1240	2.7300e-003	0.1268	0.0000	379.9691	379.9691	8.0400e-003	0.0000	380.1700
Total	0.1978	1.0279	1.4675	6.7000e-003	0.5279	4.8400e-003	0.5328	0.1418	4.5300e-003	0.1464	0.0000	619.6367	619.6367	0.0187	0.0000	620.1039

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3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7535	0.2226	2.6400e-003	0.0667	9.0000e-004	0.0676	0.0193	8.6000e-004	0.0201	0.0000	252.4126	252.4126	9.4900e-003	0.0000	252.6499
Worker	0.1708	0.1110	1.2324	4.3700e-003	0.5052	3.1400e-003	0.5084	0.1344	2.8900e-003	0.1373	0.0000	395.6421	395.6421	7.8000e-003	0.0000	395.8372
Total	0.1942	0.8645	1.4550	7.0100e-003	0.5719	4.0400e-003	0.5759	0.1536	3.7500e-003	0.1574	0.0000	648.0547	648.0547	0.0173	0.0000	648.4871

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

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3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.7493	0.2151	2.6400e-003	0.0672	8.9000e-004	0.0681	0.0194	8.5000e-004	0.0203	0.0000	252.6927	252.6927	9.3100e-003	0.0000	252.9255
Worker	0.1611	0.1008	1.1484	4.2300e-003	0.5091	3.1000e-003	0.5122	0.1354	2.8500e-003	0.1383	0.0000	382.6743	382.6743	7.0700e-003	0.0000	382.8510
Total	0.1838	0.8501	1.3635	6.8700e-003	0.5763	3.9900e-003	0.5803	0.1548	3.7000e-003	0.1585	0.0000	635.3670	635.3670	0.0164	0.0000	635.7765

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3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434
Total	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4306	257.4306	0.0605	0.0000	258.9434

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431
Total	0.1518	1.3841	1.7854	2.9900e-003		0.0586	0.0586		0.0551	0.0551	0.0000	257.4303	257.4303	0.0605	0.0000	258.9431

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0187	0.6261	0.1763	2.2200e-003	0.0570	7.4000e-004	0.0577	0.0165	7.0000e-004	0.0172	0.0000	212.7587	212.7587	7.6800e-003	0.0000	212.9506
Worker	0.1284	0.0775	0.9001	3.4300e-003	0.4314	2.5900e-003	0.4340	0.1147	2.3800e-003	0.1171	0.0000	310.8695	310.8695	5.4200e-003	0.0000	311.0050
Total	0.1471	0.7036	1.0764	5.6500e-003	0.4883	3.3300e-003	0.4917	0.1312	3.0800e-003	0.1343	0.0000	523.6282	523.6282	0.0131	0.0000	523.9556

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3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

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3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577
Total	3.5000e-004	2.1000e-004	2.4800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8573	0.8573	1.0000e-005	0.0000	0.8577

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3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3618	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	4.3618	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235
Total	2.2000e-003	1.3300e-003	0.0154	6.0000e-005	7.3800e-003	4.0000e-005	7.4300e-003	1.9600e-003	4.0000e-005	2.0000e-003	0.0000	5.3212	5.3212	9.0000e-005	0.0000	5.3235

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3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2296	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

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3.5 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2295					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2296	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696
Total	1.1000e-004	6.0000e-005	7.5000e-004	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.2695	0.2695	0.0000	0.0000	0.2696

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	425.7070	425.7070	0.0373	7.7200e-003	428.9390
NaturalGas Mitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
NaturalGas Unmitigated	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.64965e+006	0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0359	0.3064	0.1304	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	354.8507	354.8507	6.8000e-003	6.5100e-003	356.9594

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.83542e+006	425.7070	0.0373	7.7200e-003	428.9390
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		425.7070	0.0373	7.7200e-003	428.9390

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782
Unmitigated	3.1515	0.0662	4.8329	3.2000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7700e-003	2.2000e-004	20.3782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2300e-003	0.0105	4.4900e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	12.2093	12.2093	2.3000e-004	2.2000e-004	12.2818
Landscaping	0.1444	0.0557	4.8284	2.6000e-004		0.0269	0.0269		0.0269	0.0269	0.0000	7.9080	7.9080	7.5300e-003	0.0000	8.0964
Total	3.1515	0.0662	4.8329	3.3000e-004		0.0277	0.0277		0.0277	0.0277	0.0000	20.1173	20.1173	7.7600e-003	2.2000e-004	20.3782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	50.2001	1.1108	0.0269	85.9759
Unmitigated	62.7501	1.3885	0.0336	107.4699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	42.4804 / 26.7811	62.0614	1.3885	0.0336	106.7759
City Park	0 / 1.31063	0.6887	6.0000e-005	1.0000e-005	0.6940
Total		62.7501	1.3885	0.0336	107.4699

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	33.9843 / 21.4249	49.6491	1.1108	0.0269	85.4207
City Park	0 / 1.0485	0.5510	5.0000e-005	1.0000e-005	0.5552
Total		50.2001	1.1108	0.0269	85.9759

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	60.8993	3.5991	0.0000	150.8755
Unmitigated	60.8993	3.5991	0.0000	150.8755

CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	299.92	60.8811	3.5980	0.0000	150.8302
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Total		60.8993	3.5991	0.0000	150.8755

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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CityWalk Master Plan Bishop Ranch 1A Unmitigated Construction—Phases 2 - 3 - Contra Costa County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A)
Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	302.00	Space	0.00	120,800.00	0
City Park	0.64	Acre	0.64	27,878.40	0
Apartments Low Rise	791.00	Dwelling Unit	9.60	791,000.00	2389
Regional Shopping Center	70.00	1000sqft	0.04	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 3A

Phases 4-6 (Bishop Ranch 3A without hotel)

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 3A based on conceptual site plan on final project description.

Hotel portion of Bishop Ranch 3A is part of Phase 1 and is analyzed in a separate run.

Construction Phase - No demolition. Major grading and site work analyzed in a separate run.

Bishop Ranch 3A (plan vertical construction phases 4 through 6) anticipated schedule: 2026-2032.

Hotel is part of Phase 1 and is analyzed in a separate run.

Demolition - No building demolition with any phase anticipated (information confirmed via email 01/31/20).

Grading - Excavation and grading would be completed for the entire project site in a single phase, prior to vertical construction. Grading for the entire site is analyzed in a separate run.

Vehicle Trips - Construction run only

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Energy Use -

Water Mitigation -

Trips and VMT -

Architectural Coating -

Area Coating -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	1,496.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	134.47	0.00
tblLandUse	LotAcreage	2.72	0.00
tblLandUse	LotAcreage	49.44	9.60
tblLandUse	LotAcreage	1.61	0.04
tblLandUse	Population	2,262.00	2,389.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3999	2.9464	3.6951	0.0122	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,105.345 2	1,105.345 2	0.1083	0.0000	1,108.051 6
2027	0.3908	2.8299	3.6303	0.0125	0.7799	0.0739	0.8538	0.2098	0.0694	0.2792	0.0000	1,136.307 1	1,136.307 1	0.0914	0.0000	1,138.591 8
2028	0.3782	2.7976	3.5362	0.0123	0.7769	0.0733	0.8502	0.2090	0.0689	0.2779	0.0000	1,116.0207	1,116.0207	0.0902	0.0000	1,118.2745
2029	0.3677	2.7861	3.4727	0.0122	0.7799	0.0733	0.8532	0.2098	0.0689	0.2787	0.0000	1,105.840 6	1,105.840 6	0.0898	0.0000	1,108.084 2
2030	0.3490	2.1758	3.4149	0.0125	0.7799	0.0235	0.8034	0.2098	0.0232	0.2330	0.0000	1,133.789 6	1,133.789 6	0.0317	0.0000	1,134.581 6
2031	5.9642	1.9171	3.0412	0.0110	0.6744	0.0234	0.6978	0.1814	0.0231	0.2045	0.0000	988.4594	988.4594	0.0277	0.0000	989.1524
2032	0.2981	4.8000e-004	1.5900e-003	0.0000	5.2000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.4330	0.4330	1.0000e-005	0.0000	0.4332
Maximum	5.9642	2.9464	3.6951	0.0125	0.8227	0.0826	0.9053	0.2403	0.0772	0.3175	0.0000	1,136.307 1	1,136.307 1	0.1083	0.0000	1,138.591 8

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3999	2.9464	3.6951	0.0122	0.7512	0.0826	0.8337	0.2106	0.0772	0.2878	0.0000	1,105.3448	1,105.3448	0.1083	0.0000	1,108.0511
2027	0.3908	2.8298	3.6303	0.0125	0.7799	0.0739	0.8538	0.2098	0.0694	0.2792	0.0000	1,136.3067	1,136.3067	0.0914	0.0000	1,138.5915
2028	0.3782	2.7976	3.5362	0.0123	0.7769	0.0733	0.8502	0.2090	0.0689	0.2779	0.0000	1,116.0203	1,116.0203	0.0902	0.0000	1,118.2742
2029	0.3677	2.7861	3.4727	0.0122	0.7799	0.0733	0.8532	0.2098	0.0689	0.2787	0.0000	1,105.8402	1,105.8402	0.0898	0.0000	1,108.0839
2030	0.3490	2.1758	3.4149	0.0125	0.7799	0.0235	0.8034	0.2098	0.0232	0.2330	0.0000	1,133.7892	1,133.7892	0.0317	0.0000	1,134.5812
2031	5.9642	1.9171	3.0412	0.0110	0.6744	0.0234	0.6978	0.1814	0.0231	0.2045	0.0000	988.4590	988.4590	0.0277	0.0000	989.1521
2032	0.2981	4.8000e-004	1.5900e-003	0.0000	5.2000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.4330	0.4330	1.0000e-005	0.0000	0.4332
Maximum	5.9642	2.9464	3.6951	0.0125	0.7799	0.0826	0.8538	0.2106	0.0772	0.2878	0.0000	1,136.3067	1,136.3067	0.1083	0.0000	1,138.5915

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.55	0.00	1.44	2.35	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.8957	0.8957
2	4-1-2026	6-30-2026	0.8099	0.8099
3	7-1-2026	9-30-2026	0.8188	0.8188
4	10-1-2026	12-31-2026	0.8277	0.8277

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5	1-1-2027	3-31-2027	0.8003	0.8003
6	4-1-2027	6-30-2027	0.8009	0.8009
7	7-1-2027	9-30-2027	0.8097	0.8097
8	10-1-2027	12-31-2027	0.8180	0.8180
9	1-1-2028	3-31-2028	0.8006	0.8006
10	4-1-2028	6-30-2028	0.7928	0.7928
11	7-1-2028	9-30-2028	0.8015	0.8015
12	10-1-2028	12-31-2028	0.8094	0.8094
13	1-1-2029	3-31-2029	0.7829	0.7829
14	4-1-2029	6-30-2029	0.7843	0.7843
15	7-1-2029	9-30-2029	0.7929	0.7929
16	10-1-2029	12-31-2029	0.8003	0.8003
17	1-1-2030	3-31-2030	0.6276	0.6276
18	4-1-2030	6-30-2030	0.6276	0.6276
19	7-1-2030	9-30-2030	0.6345	0.6345
20	10-1-2030	12-31-2030	0.6415	0.6415
21	1-1-2031	3-31-2031	0.6200	0.6200
22	4-1-2031	6-30-2031	0.6204	0.6204
23	7-1-2031	9-30-2031	0.6273	0.6273
24	10-1-2031	12-31-2031	6.0989	6.0989
25	1-1-2032	3-31-2032	0.2133	0.2133
		Highest	6.0989	6.0989

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	17.9953	65.2251	83.2203	1.8540	0.0448	142.9280
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	106.7876	1,264.0864	1,370.8740	7.1837	0.0665	1,570.2773

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Energy	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,174.4486	1,174.4486	0.0728	0.0214	1,182.6404
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	88.7923	0.0000	88.7923	5.2475	0.0000	219.9792
Water						0.0000	0.0000		0.0000	0.0000	14.3962	52.1801	66.5763	1.4832	0.0359	114.3424
Total	4.1880	0.4602	6.0316	2.8100e-003	0.0000	0.0643	0.0643	0.0000	0.0643	0.0643	103.1885	1,251.0414	1,354.2299	6.8129	0.0575	1,541.6917

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	1.03	1.21	5.16	13.48	1.82

3.0 Construction Detail

Construction Phase

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2026	2/11/2026	5	30	
2	Building Construction	Building Construction	2/12/2026	11/6/2031	5	1496	
3	Paving	Paving	11/7/2031	12/4/2031	5	20	
4	Architectural Coating	Architectural Coating	12/5/2031	1/1/2032	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,601,775; Residential Outdoor: 533,925; Non-Residential Indoor: 105,000; Non-Residential Outdoor: 35,000; Striped Parking Area: 7,248 (Architectural Coating – sqft)

OffRoad Equipment

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	654.00	120.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	131.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.2 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4191	0.3950	9.3000e-004		0.0170	0.0170		0.0156	0.0156	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204
Total	0.0435	0.4191	0.3950	9.3000e-004	0.1301	0.0170	0.1471	0.0540	0.0156	0.0696	0.0000	81.7593	81.7593	0.0264	0.0000	82.4204

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.2 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4191	0.3950	9.3000e-004		0.0170	0.0170		0.0156	0.0156	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203
Total	0.0435	0.4191	0.3950	9.3000e-004	0.0586	0.0170	0.0755	0.0243	0.0156	0.0399	0.0000	81.7592	81.7592	0.0264	0.0000	82.4203

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507
Total	6.7000e-004	3.9000e-004	4.6200e-003	2.0000e-005	2.3800e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	1.6500	1.6500	3.0000e-005	0.0000	1.6507

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412
Total	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8670	267.8670	0.0630	0.0000	269.4412

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408
Total	0.1579	1.4403	1.8578	3.1100e-003		0.0609	0.0609		0.0573	0.0573	0.0000	267.8667	267.8667	0.0630	0.0000	269.4408

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9883	0.2751	3.5300e-003	0.0912	1.1500e-003	0.0923	0.0264	1.1000e-003	0.0275	0.0000	338.6172	338.6172	0.0120	0.0000	338.9166
Worker	0.1687	0.0984	1.1626	4.5900e-003	0.5991	3.4900e-003	0.6026	0.1593	3.2100e-003	0.1625	0.0000	415.4518	415.4518	6.8400e-003	0.0000	415.6227
Total	0.1978	1.0867	1.4378	8.1200e-003	0.6903	4.6400e-003	0.6949	0.1857	4.3100e-003	0.1900	0.0000	754.0689	754.0689	0.0188	0.0000	754.5393

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0321	1.1007	0.3044	3.9700e-003	0.1030	1.2700e-003	0.1043	0.0298	1.2100e-003	0.0310	0.0000	380.4943	380.4943	0.0132	0.0000	380.8242
Worker	0.1802	0.1019	1.2268	5.0100e-003	0.6769	3.7400e-003	0.6806	0.1800	3.4400e-003	0.1835	0.0000	453.1580	453.1580	7.0400e-003	0.0000	453.3341
Total	0.2123	1.2026	1.5312	8.9800e-003	0.7799	5.0100e-003	0.7849	0.2098	4.6500e-003	0.2145	0.0000	833.6522	833.6522	0.0202	0.0000	834.1583

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0314	1.0832	0.2988	3.9400e-003	0.1026	1.2300e-003	0.1039	0.0297	1.1800e-003	0.0308	0.0000	377.2994	377.2994	0.0129	0.0000	377.6207
Worker	0.1690	0.0933	1.1465	4.8300e-003	0.6743	3.4600e-003	0.6778	0.1793	3.1800e-003	0.1825	0.0000	437.2259	437.2259	6.4300e-003	0.0000	437.3868
Total	0.2004	1.1765	1.4452	8.7700e-003	0.7769	4.6900e-003	0.7816	0.2090	4.3600e-003	0.2134	0.0000	814.5254	814.5254	0.0193	0.0000	815.0074

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3.3 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0309	1.0727	0.2947	3.9300e-003	0.1030	1.2100e-003	0.1042	0.0298	1.1600e-003	0.0309	0.0000	376.7736	376.7736	0.0127	0.0000	377.0909
Worker	0.1584	0.0862	1.0790	4.7100e-003	0.6769	3.2200e-003	0.6801	0.1800	2.9600e-003	0.1830	0.0000	426.4121	426.4121	5.9100e-003	0.0000	426.5599
Total	0.1893	1.1588	1.3736	8.6400e-003	0.7799	4.4300e-003	0.7844	0.2098	4.1200e-003	0.2139	0.0000	803.1857	803.1857	0.0186	0.0000	803.6507

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0304	1.0608	0.2912	3.9100e-003	0.1030	1.1900e-003	0.1042	0.0298	1.1400e-003	0.0309	0.0000	375.2491	375.2491	0.0125	0.0000	375.5613
Worker	0.1477	0.0795	1.0152	4.5900e-003	0.6769	3.0000e-003	0.6799	0.1800	2.7600e-003	0.1828	0.0000	415.5069	415.5069	5.4300e-003	0.0000	415.6426
Total	0.1781	1.1403	1.3064	8.5000e-003	0.7799	4.1900e-003	0.7841	0.2098	3.9000e-003	0.2137	0.0000	790.7560	790.7560	0.0179	0.0000	791.2039

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.3 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0256	0.8937	0.2457	3.3200e-003	0.0876	1.0000e-003	0.0886	0.0253	9.5000e-004	0.0263	0.0000	318.1883	318.1883	0.0105	0.0000	318.4503
Worker	0.1156	0.0621	0.8109	3.8100e-003	0.5758	2.3700e-003	0.5781	0.1531	2.1800e-003	0.1553	0.0000	345.3365	345.3365	4.2300e-003	0.0000	345.4422
Total	0.1412	0.9559	1.0566	7.1300e-003	0.6634	3.3700e-003	0.6668	0.1785	3.1300e-003	0.1816	0.0000	663.5248	663.5248	0.0147	0.0000	663.8925

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.4 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

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3.4 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0139	0.0712	0.1585	2.8000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	24.0995	24.0995	1.1300e-003	0.0000	24.1277

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138
Total	2.4000e-004	1.3000e-004	1.6800e-003	1.0000e-005	1.1900e-003	0.0000	1.1900e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.7136	0.7136	1.0000e-005	0.0000	0.7138

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.5 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281
Total	5.6617	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

3.5 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280
Total	5.6617	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220
Total	1.9800e-003	1.0700e-003	0.0139	7.0000e-005	9.8700e-003	4.0000e-005	9.9100e-003	2.6300e-003	4.0000e-005	2.6600e-003	0.0000	5.9202	5.9202	7.0000e-005	0.0000	5.9220

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3.5 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2980	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

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3.5 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2980	4.3000e-004	9.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054
Total	1.0000e-004	5.0000e-005	6.9000e-004	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3053	0.3053	0.0000	0.0000	0.3054

4.0 Operational Detail - Mobile

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	735.0942	735.0942	0.0644	0.0133	740.6752
NaturalGas Mitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653
NaturalGas Unmitigated	0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	8.06729e+006	0.0435	0.3717	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.5013	430.5013	8.2500e-003	7.8900e-003	433.0596
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	165900	8.9000e-004	8.1300e-003	6.8300e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8531	8.8531	1.7000e-004	1.6000e-004	8.9057
Total		0.0444	0.3799	0.1650	2.4200e-003		0.0307	0.0307		0.0307	0.0307	0.0000	439.3544	439.3544	8.4200e-003	8.0500e-003	441.9653

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.4399e+006	516.4635	0.0453	9.3600e-003	520.3846
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	707888	106.2817	9.3100e-003	1.9300e-003	107.0886
Regional Shopping Center	748300	112.3491	9.8400e-003	2.0400e-003	113.2020
Total		735.0942	0.0644	0.0133	740.6752

6.0 Area Detail

6.1 Mitigation Measures Area

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297
Unmitigated	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-003	0.0128	5.4400e-003	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.8122	14.8122	2.8000e-004	2.7000e-004	14.9002
Landscaping	0.1755	0.0676	5.8612	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6005	9.6005	9.1600e-003	0.0000	9.8295
Total	4.1436	0.0804	5.8666	3.9000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	24.4127	24.4127	9.4400e-003	2.7000e-004	24.7297

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	66.5763	1.4832	0.0359	114.3424
Unmitigated	83.2203	1.8540	0.0448	142.9280

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	51.5368 / 32.4906	75.2923	1.6845	0.0407	129.5395
City Park	0 / 0.762548	0.4007	4.0000e-005	1.0000e-005	0.4038
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.18508 / 3.17795	7.5273	0.1695	4.1000e-003	12.9847
Total		83.2203	1.8540	0.0448	142.9280

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	41.2295 / 25.9925	60.2338	1.3476	0.0326	103.6316
City Park	0 / 0.610038	0.3206	3.0000e-005	1.0000e-005	0.3230
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.14806 / 2.54236	6.0219	0.1356	3.2800e-003	10.3878
Total		66.5763	1.4832	0.0359	114.3424

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.7923	5.2475	0.0000	219.9792
Unmitigated	88.7923	5.2475	0.0000	219.9792

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	363.86	73.8603	4.3650	0.0000	182.9858
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.5	14.9198	0.8817	0.0000	36.9633
Total		88.7923	5.2475	0.0000	219.9792

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

CityWalk Master Plan Unmitigated Construction Phases 4-6 (Bishop Ranch 3A) - Contra Costa County, Annual

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

**CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	5,350.00	Space	7.60	2,140,000.00	0
Enclosed Parking with Elevator	5,681.00	Space	0.00	2,272,400.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	12.69	Acre	12.69	552,776.40	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Low Rise	2,757.00	Dwelling Unit	56.31	2,757,000.00	8272
Regional Shopping Center	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	331	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Phases 7-14

Bishop Ranch 2600

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - CityWalk Master Plan Bishop Ranch 2600 based conceptual site plan on final project description.

Phases 7-14 (a portion of Bishop Ranch 2600 is included in Phase 1)

Construction Phase - No demolition. Major grading and site work assumed to be completed for the entire project site at once and is analyzed in a separate run.

Plan construction phases 7-14 anticipated schedule: 2032-2048.

Energy Use -

Trips and VMT -

Architectural Coating -

Vehicle Trips - Construction run only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Woodstoves - Construction run only

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Water Mitigation -

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1,550.00	3,800.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	468.69	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	48.15	7.60
tblLandUse	LotAcreage	51.13	0.00
tblLandUse	LotAcreage	172.31	56.31
tblLandUse	Population	7,885.00	8,272.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.7648	5.6659	6.0834	0.0334	2.8199	0.0569	2.8768	0.8591	0.0562	0.9153	0.0000	3,108.576 5	3,108.576 5	0.0847	0.0000	3,110.6939
2033	1.1813	11.0503	10.1161	0.0671	5.1889	0.0451	5.2340	1.4022	0.0434	1.4456	0.0000	6,253.564 6	6,253.564 6	0.1527	0.0000	6,257.382 1
2034	1.1339	10.9551	9.8412	0.0667	5.1890	0.0440	5.2329	1.4023	0.0424	1.4446	0.0000	6,211.0354	6,211.0354	0.1499	0.0000	6,214.781 9
2035	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.105 0	6,199.105 0	0.1471	0.0000	6,202.781 4
2036	1.0892	10.8558	9.6745	0.0668	5.2289	0.0358	5.2646	1.4130	0.0342	1.4473	0.0000	6,222.856 4	6,222.856 4	0.1476	0.0000	6,226.546 8
2037	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.105 0	6,199.105 0	0.1471	0.0000	6,202.781 4
2038	1.0851	10.8144	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.105 0	6,199.105 0	0.1471	0.0000	6,202.781 4
2039	1.0809	10.7729	9.6007	0.0663	5.1890	0.0355	5.2244	1.4023	0.0340	1.4362	0.0000	6,175.353 7	6,175.353 7	0.1465	0.0000	6,179.015 9
2040	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.833 7	6,101.833 7	0.1393	0.0000	6,105.315 3
2041	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.833 7	6,101.833 7	0.1393	0.0000	6,105.315 3
2042	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.833 7	6,101.833 7	0.1393	0.0000	6,105.315 3
2043	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.833 7	6,101.833 7	0.1393	0.0000	6,105.315 3
2044	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.833 7	6,101.833 7	0.1393	0.0000	6,105.315 3
2045	0.8879	10.3502	8.6057	0.0648	5.1890	0.0287	5.2177	1.4023	0.0275	1.4297	0.0000	6,039.620 1	6,039.620 1	0.1355	0.0000	6,043.008 3
2046	0.8914	10.3900	8.6388	0.0650	5.2090	0.0288	5.2377	1.4077	0.0276	1.4352	0.0000	6,062.849 4	6,062.849 4	0.1361	0.0000	6,066.250 6
2047	20.8206	1.9365	2.6901	0.0143	1.1992	0.0122	1.2114	0.3225	0.0120	0.3345	0.0000	1,313.754 7	1,313.754 7	0.0283	0.0000	1,314.461 6
2048	0.1892	5.8000e-004	3.8900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.8206	11.0503	10.1161	0.0671	5.2289	0.0569	5.2646	1.4130	0.0562	1.4473	0.0000	6,253.564 6	6,253.564 6	0.1527	0.0000	6,257.382 1

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2.1 Overall Construction

Mitigated Construction

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.7648	5.6659	6.0834	0.0334	2.4502	0.0569	2.5071	0.7058	0.0562	0.7620	0.0000	3,108.5758	3,108.5758	0.0847	0.0000	3,110.6931
2033	1.1813	11.0503	10.1161	0.0671	5.1889	0.0451	5.2340	1.4022	0.0434	1.4456	0.0000	6,253.5642	6,253.5642	0.1527	0.0000	6,257.3817
2034	1.1339	10.9551	9.8412	0.0667	5.1890	0.0440	5.2329	1.4023	0.0424	1.4446	0.0000	6,211.0349	6,211.0349	0.1499	0.0000	6,214.7815
2035	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2036	1.0892	10.8558	9.6745	0.0668	5.2289	0.0358	5.2646	1.4130	0.0342	1.4473	0.0000	6,222.8560	6,222.8560	0.1476	0.0000	6,226.5464
2037	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2038	1.0851	10.8143	9.6376	0.0665	5.2089	0.0356	5.2445	1.4076	0.0341	1.4417	0.0000	6,199.1046	6,199.1046	0.1471	0.0000	6,202.7810
2039	1.0809	10.7729	9.6007	0.0663	5.1890	0.0355	5.2244	1.4023	0.0340	1.4362	0.0000	6,175.3533	6,175.3533	0.1465	0.0000	6,179.0155
2040	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2041	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2042	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2043	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2044	0.9433	10.5077	8.9118	0.0654	5.2090	0.0301	5.2391	1.4077	0.0289	1.4365	0.0000	6,101.8333	6,101.8333	0.1393	0.0000	6,105.3149
2045	0.8879	10.3502	8.6057	0.0648	5.1890	0.0287	5.2177	1.4023	0.0275	1.4297	0.0000	6,039.6197	6,039.6197	0.1355	0.0000	6,043.0079
2046	0.8914	10.3900	8.6388	0.0650	5.2090	0.0288	5.2377	1.4077	0.0276	1.4352	0.0000	6,062.8490	6,062.8490	0.1361	0.0000	6,066.2502
2047	20.8206	1.9365	2.6901	0.0143	1.1992	0.0122	1.2114	0.3225	0.0120	0.3345	0.0000	1,313.7545	1,313.7545	0.0283	0.0000	1,314.4613
2048	0.1892	5.8000e-004	3.8900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.8542	1.8542	2.0000e-005	0.0000	1.8546
Maximum	20.8206	11.0503	10.1161	0.0671	5.2289	0.0569	5.2646	1.4130	0.0562	1.4473	0.0000	6,253.5642	6,253.5642	0.1527	0.0000	6,257.3817

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.48	0.00	0.48	0.73	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2032	3-31-2032	0.5583	0.5583
2	4-1-2032	6-30-2032	0.5581	0.5581
3	7-1-2032	9-30-2032	2.1470	2.1470
4	10-1-2032	12-31-2032	3.1618	3.1618
5	1-1-2033	3-31-2033	3.0513	3.0513
6	4-1-2033	6-30-2033	3.0446	3.0446
7	7-1-2033	9-30-2033	3.0781	3.0781
8	10-1-2033	12-31-2033	3.1191	3.1191
9	1-1-2034	3-31-2034	3.0144	3.0144
10	4-1-2034	6-30-2034	3.0086	3.0086
11	7-1-2034	9-30-2034	3.0417	3.0417
12	10-1-2034	12-31-2034	3.0813	3.0813
13	1-1-2035	3-31-2035	2.9548	2.9548
14	4-1-2035	6-30-2035	2.9495	2.9495
15	7-1-2035	9-30-2035	2.9819	2.9819
16	10-1-2035	12-31-2035	3.0204	3.0204
17	1-1-2036	3-31-2036	2.9876	2.9876
18	4-1-2036	6-30-2036	2.9495	2.9495
19	7-1-2036	9-30-2036	2.9819	2.9819
20	10-1-2036	12-31-2036	3.0204	3.0204
21	1-1-2037	3-31-2037	2.9548	2.9548
22	4-1-2037	6-30-2037	2.9495	2.9495

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23	7-1-2037	9-30-2037	2.9819	2.9819
24	10-1-2037	12-31-2037	3.0204	3.0204
25	1-1-2038	3-31-2038	2.9548	2.9548
26	4-1-2038	6-30-2038	2.9495	2.9495
27	7-1-2038	9-30-2038	2.9819	2.9819
28	10-1-2038	12-31-2038	3.0204	3.0204
29	1-1-2039	3-31-2039	2.9548	2.9548
30	4-1-2039	6-30-2039	2.9495	2.9495
31	7-1-2039	9-30-2039	2.9819	2.9819
32	10-1-2039	12-31-2039	3.0204	3.0204
33	1-1-2040	3-31-2040	2.8710	2.8710
34	4-1-2040	6-30-2040	2.8364	2.8364
35	7-1-2040	9-30-2040	2.8676	2.8676
36	10-1-2040	12-31-2040	2.9025	2.9025
37	1-1-2041	3-31-2041	2.8395	2.8395
38	4-1-2041	6-30-2041	2.8364	2.8364
39	7-1-2041	9-30-2041	2.8676	2.8676
40	10-1-2041	12-31-2041	2.9025	2.9025
41	1-1-2042	3-31-2042	2.8395	2.8395
42	4-1-2042	6-30-2042	2.8364	2.8364
43	7-1-2042	9-30-2042	2.8676	2.8676
44	10-1-2042	12-31-2042	2.9025	2.9025
45	1-1-2043	3-31-2043	2.8395	2.8395
46	4-1-2043	6-30-2043	2.8364	2.8364
47	7-1-2043	9-30-2043	2.8676	2.8676
48	10-1-2043	12-31-2043	2.9025	2.9025
49	1-1-2044	3-31-2044	2.8710	2.8710

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50	4-1-2044	6-30-2044	2.8364	2.8364
51	7-1-2044	9-30-2044	2.8676	2.8676
52	10-1-2044	12-31-2044	2.9025	2.9025
53	1-1-2045	3-31-2045	2.7964	2.7964
54	4-1-2045	6-30-2045	2.7937	2.7937
55	7-1-2045	9-30-2045	2.8244	2.8244
56	10-1-2045	12-31-2045	2.8585	2.8585
57	1-1-2046	3-31-2046	2.7964	2.7964
58	4-1-2046	6-30-2046	2.7937	2.7937
59	7-1-2046	9-30-2046	2.8244	2.8244
60	10-1-2046	12-31-2046	2.8585	2.8585
61	1-1-2047	3-31-2047	1.8557	1.8557
62	4-1-2047	6-30-2047	0.1524	0.1524
63	7-1-2047	9-30-2047	8.3198	8.3198
64	10-1-2047	12-31-2047	12.4746	12.4746
65	1-1-2048	3-31-2048	0.1356	0.1356
		Highest	12.4746	12.4746

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	58.4210	218.2100	276.6310	6.0195	0.1456	470.5189
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	340.9093	7,675.8652	8,016.7745	23.2857	0.2806	8,682.5195

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Energy	0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	7,372.3906	7,372.3906	0.5382	0.1340	7,425.7671
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	282.4883	0.0000	282.4883	16.6946	0.0000	699.8528
Water						0.0000	0.0000		0.0000	0.0000	46.7368	174.5680	221.3048	4.8156	0.1165	376.4151
Total	14.2456	1.6436	21.1451	0.0100	0.0000	0.2273	0.2273	0.0000	0.2273	0.2273	329.2251	7,632.2232	7,961.4483	22.0818	0.2514	8,588.4157

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	0.57	0.69	5.17	10.38	1.08

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2032	8/4/2032	5	155	
2	Building Construction	Building Construction	8/5/2032	2/27/2047	5	3800	
3	Paving	Paving	2/28/2047	7/31/2047	5	110	
4	Architectural Coating	Architectural Coating	8/1/2047	1/1/2048	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 7.6

Residential Indoor: 5,582,925; Residential Outdoor: 1,860,975; Non-Residential Indoor: 125,625; Non-Residential Outdoor: 41,875; Striped Parking Area: 264,744 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,102.00	1,122.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	820.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6722	0.0000	0.6722	0.2787	0.0000	0.2787	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2543	1.0731	1.7844	5.4200e-003		0.0378	0.0378		0.0378	0.0378	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431
Total	0.2543	1.0731	1.7844	5.4200e-003	0.6722	0.0378	0.7100	0.2787	0.0378	0.3165	0.0000	507.1307	507.1307	0.0205	0.0000	507.6431

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

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3.2 Grading - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3025	0.0000	0.3025	0.1254	0.0000	0.1254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2543	1.0731	1.7844	5.4200e-003		0.0378	0.0378		0.0378	0.0378	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425
Total	0.2543	1.0731	1.7844	5.4200e-003	0.3025	0.0378	0.3403	0.1254	0.0378	0.1632	0.0000	507.1301	507.1301	0.0205	0.0000	507.6425

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267
Total	2.2900e-003	1.2300e-003	0.0164	8.0000e-005	0.0123	5.0000e-005	0.0123	3.2700e-003	4.0000e-005	3.3100e-003	0.0000	7.2246	7.2246	8.0000e-005	0.0000	7.2267

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3.3 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717
Total	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6307	140.6307	5.6400e-003	0.0000	140.7717

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

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3.3 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715
Total	0.0700	0.4245	0.8644	1.6600e-003		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	140.6305	140.6305	5.6400e-003	0.0000	140.7715

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1144	3.9929	1.1028	0.0149	0.3949	4.4400e-003	0.3993	0.1142	4.2500e-003	0.1184	0.0000	1,430.6959	1,430.6959	0.0467	0.0000	1,431.8632
Worker	0.3238	0.1742	2.3155	0.0113	1.7405	6.6800e-003	1.7472	0.4629	6.1500e-003	0.4691	0.0000	1,022.8947	1,022.8947	0.0118	0.0000	1,023.1893
Total	0.4382	4.1671	3.4183	0.0262	2.1354	0.0111	2.1466	0.5771	0.0104	0.5875	0.0000	2,453.5906	2,453.5906	0.0585	0.0000	2,455.0524

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

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3.3 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2764	9.6233	2.6719	0.0362	0.9596	0.0107	0.9702	0.2774	0.0102	0.2876	0.0000	3,470.2097	3,470.2097	0.1124	0.0000	3,473.0199
Worker	0.7346	0.3955	5.3438	0.0270	4.2294	0.0152	4.2445	1.1248	0.0140	1.1388	0.0000	2,441.6356	2,441.6356	0.0266	0.0000	2,442.3002
Total	1.0111	10.0188	8.0157	0.0631	5.1889	0.0258	5.2148	1.4023	0.0241	1.4264	0.0000	5,911.8453	5,911.8453	0.1390	0.0000	5,915.3201

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2749	9.5518	2.6644	0.0361	0.9596	0.0105	0.9701	0.2774	0.0101	0.2875	0.0000	3,465.3416	3,465.3416	0.1115	0.0000	3,468.1284
Worker	0.6888	0.3718	5.0764	0.0265	4.2294	0.0142	4.2436	1.1248	0.0131	1.1379	0.0000	2,403.9744	2,403.9744	0.0247	0.0000	2,404.5915
Total	0.9637	9.9236	7.7408	0.0627	5.1890	0.0247	5.2137	1.4023	0.0231	1.4254	0.0000	5,869.3160	5,869.3160	0.1362	0.0000	5,872.7199

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	9.5617	2.6789	0.0364	0.9670	0.0105	0.9775	0.2796	0.0100	0.2896	0.0000	3,488.1230	3,488.1230	0.1116	0.0000	3,490.9118
Worker	0.6541	0.3560	4.8842	0.0264	4.2619	0.0134	4.2753	1.1335	0.0123	1.1458	0.0000	2,390.3855	2,390.3855	0.0232	0.0000	2,390.9664
Total	0.9298	9.9177	7.5631	0.0627	5.2289	0.0239	5.2528	1.4130	0.0224	1.4354	0.0000	5,878.5084	5,878.5084	0.1348	0.0000	5,881.8783

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2747	9.5252	2.6687	0.0362	0.9633	0.0105	0.9738	0.2785	0.0100	0.2885	0.0000	3,474.8095	3,474.8095	0.1111	0.0000	3,477.5877
Worker	0.6516	0.3546	4.8655	0.0263	4.2456	0.0134	4.2590	1.1291	0.0123	1.1414	0.0000	2,381.2618	2,381.2618	0.0232	0.0000	2,381.8406
Total	0.9263	9.8798	7.5342	0.0625	5.2089	0.0238	5.2327	1.4076	0.0223	1.4299	0.0000	5,856.0714	5,856.0714	0.1343	0.0000	5,859.4283

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2737	9.4887	2.6585	0.0361	0.9596	0.0104	0.9700	0.2774	9.9600e-003	0.2874	0.0000	3,461.4961	3,461.4961	0.1107	0.0000	3,464.2636
Worker	0.6491	0.3532	4.8469	0.0262	4.2294	0.0133	4.2427	1.1248	0.0122	1.1371	0.0000	2,372.1382	2,372.1382	0.0231	0.0000	2,372.7148
Total	0.9227	9.8419	7.5054	0.0622	5.1890	0.0237	5.2127	1.4023	0.0222	1.4244	0.0000	5,833.6343	5,833.6343	0.1338	0.0000	5,836.9784

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3.3 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2040

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

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3.3 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	9.3102	2.6422	0.0362	0.9633	0.0102	0.9735	0.2785	9.6900e-003	0.2882	0.0000	3,471.8071	3,471.8071	0.1086	0.0000	3,474.5212
Worker	0.5151	0.2983	4.1661	0.0252	4.2456	0.0104	4.2560	1.1291	9.5400e-003	1.1387	0.0000	2,286.9929	2,286.9929	0.0184	0.0000	2,287.4523
Total	0.7871	9.6085	6.8083	0.0614	5.2090	0.0205	5.2295	1.4077	0.0192	1.4269	0.0000	5,758.8000	5,758.8000	0.1269	0.0000	5,761.9735

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2045

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

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3.3 Building Construction - 2045

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2707	9.1760	2.6168	0.0360	0.9597	9.9800e-003	0.9696	0.2775	9.5400e-003	0.2870	0.0000	3,452.3717	3,452.3717	0.1064	0.0000	3,455.0322
Worker	0.4617	0.2784	3.8936	0.0248	4.2294	9.0800e-003	4.2384	1.1248	8.3500e-003	1.1332	0.0000	2,245.5290	2,245.5290	0.0168	0.0000	2,245.9497
Total	0.7323	9.4545	6.5103	0.0607	5.1890	0.0191	5.2081	1.4023	0.0179	1.4202	0.0000	5,697.9007	5,697.9007	0.1233	0.0000	5,700.9819

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2046

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2717	9.2113	2.6269	0.0361	0.9634	0.0100	0.9734	0.2785	9.5700e-003	0.2881	0.0000	3,465.6501	3,465.6501	0.1068	0.0000	3,468.3208
Worker	0.4634	0.2795	3.9085	0.0249	4.2456	9.1100e-003	4.2547	1.1291	8.3800e-003	1.1375	0.0000	2,254.1656	2,254.1656	0.0169	0.0000	2,254.5880
Total	0.7352	9.4908	6.5354	0.0610	5.2090	0.0191	5.2281	1.4077	0.0180	1.4256	0.0000	5,719.8157	5,719.8157	0.1237	0.0000	5,722.9088

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.3 Building Construction - 2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504
Total	0.0251	0.1447	0.3385	6.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	55.2008	55.2008	1.9800e-003	0.0000	55.2504

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4823	0.4227	5.8100e-003	0.1550	1.6100e-003	0.1566	0.0448	1.5400e-003	0.0464	0.0000	557.6908	557.6908	0.0172	0.0000	558.1206
Worker	0.0746	0.0450	0.6290	4.0000e-003	0.6832	1.4700e-003	0.6847	0.1817	1.3500e-003	0.1831	0.0000	362.7393	362.7393	2.7200e-003	0.0000	362.8073
Total	0.1183	1.5273	1.0517	9.8100e-003	0.8382	3.0800e-003	0.8413	0.2265	2.8900e-003	0.2294	0.0000	920.4301	920.4301	0.0199	0.0000	920.9279

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

3.4 Paving - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5473	132.5473	4.4500e-003	0.0000	132.6587

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

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3.4 Paving - 2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0556	0.2011	0.8700	1.5400e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	132.5472	132.5472	4.4500e-003	0.0000	132.6585

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747
Total	7.1000e-004	4.3000e-004	6.0200e-003	4.0000e-005	6.5400e-003	1.0000e-005	6.5600e-003	1.7400e-003	1.0000e-005	1.7500e-003	0.0000	3.4740	3.4740	3.0000e-005	0.0000	3.4747

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3.5 Architectural Coating - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5822	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

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3.5 Architectural Coating - 2047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.5759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275
Total	20.5822	0.0396	0.0977	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.9152	13.9152	4.9000e-004	0.0000	13.9275

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224
Total	0.0387	0.0233	0.3263	2.0800e-003	0.3544	7.6000e-004	0.3552	0.0943	7.0000e-004	0.0950	0.0000	188.1872	188.1872	1.4100e-003	0.0000	188.2224

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3.5 Architectural Coating - 2048

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

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3.5 Architectural Coating - 2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278
Total	0.1888	3.6000e-004	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1277	0.1277	0.0000	0.0000	0.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268
Total	3.5000e-004	2.1000e-004	2.9900e-003	2.0000e-005	3.2500e-003	1.0000e-005	3.2600e-003	8.6000e-004	1.0000e-005	8.7000e-004	0.0000	1.7265	1.7265	1.0000e-005	0.0000	1.7268

4.0 Operational Detail - Mobile

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Arena	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
City Park	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Enclosed Parking with Elevator	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Health Club	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640
Regional Shopping Center	0.608273	0.034585	0.184255	0.107563	0.011607	0.004827	0.010887	0.026488	0.001668	0.001509	0.005072	0.002627	0.000640

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	5,798.8411	5,798.8411	0.5081	0.1051	5,842.8667
NaturalGas Mitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003
NaturalGas Unmitigated	0.1590	1.3628	0.6077	8.6700e-003			0.1099	0.1099		0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.81182e+007	0.1516	1.2956	0.5513	8.2700e-003		0.1048	0.1048		0.1048	0.1048	0.0000	1,500.4958	1,500.4958	0.0288	0.0275	1,509.4125
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Regional Shopping Center	82950	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4265	4.4265	8.0000e-005	8.0000e-005	4.4528
Total		0.1590	1.3628	0.6077	8.6700e-003		0.1099	0.1099		0.1099	0.1099	0.0000	1,573.5495	1,573.5495	0.0302	0.0289	1,582.9003

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.19896e+007	1,800.1137	0.1577	0.0326	1,813.7804
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	1.25404e+007	1,882.8041	0.1650	0.0341	1,897.0986
Enclosed Parking with Elevator	1.33163e+007	1,999.2916	0.1752	0.0362	2,014.4705
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Regional Shopping Center	374150	56.1745	4.9200e-003	1.0200e-003	56.6010
Total		5,798.8411	0.5081	0.1051	5,842.8667

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807
Unmitigated	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0765					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.3850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	51.6273	51.6273	9.9000e-004	9.5000e-004	51.9341
Landscaping	0.6200	0.2363	20.5184	1.0900e-003		0.1139	0.1139		0.1139	0.1139	0.0000	33.6373	33.6373	0.0324	0.0000	34.4466
Total	14.0866	0.2809	20.5374	1.3700e-003		0.1175	0.1175		0.1175	0.1175	0.0000	85.2646	85.2646	0.0334	9.5000e-004	86.3807

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	221.3048	4.8156	0.1165	376.4151
Unmitigated	276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	179.63 / 113.245	262.4284	5.8712	0.1419	451.5049
Arena	1.03654 / 0.0661622	1.2057	0.0339	8.1000e-004	2.2944
City Park	0 / 15.1199	7.9453	7.0000e-004	1.4000e-004	8.0056
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	1.2879	0.0290	7.0000e-004	2.2216
Regional Shopping Center	2.59254 / 1.58898	3.7637	0.0847	2.0500e-003	6.4924
Total		276.6310	6.0195	0.1456	470.5189

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	143.704 / 90.5958	209.9427	4.6970	0.1136	361.2039
Arena	0.829232 / 0.0529297	0.9646	0.0271	6.5000e-004	1.8355
City Park	0 / 12.0959	6.3563	5.6000e-004	1.2000e-004	6.4045
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	1.0303	0.0232	5.6000e-004	1.7773
Regional Shopping Center	2.07403 / 1.27118	3.0109	0.0678	1.6400e-003	5.1939
Total		221.3048	4.8156	0.1165	376.4151

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	282.4883	16.6946	0.0000	699.8528
Unmitigated	282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1268.22	257.4372	15.2141	0.0000	637.7898
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.09	0.2213	0.0131	0.0000	0.5482
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Regional Shopping Center	36.75	7.4599	0.4409	0.0000	18.4816
Total		282.4883	16.6946	0.0000	699.8528

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

CityWalk Master Plan Bishop Ranch 2600 Unmitigated Construction—Phases 7-14 - Contra Costa County, Annual

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

**CityWalk Master Plan—Unmitigated 2030 Operations
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	331	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Unmitigated 2030 Operations (Full buildout assessed in the 2030 year for GHG analysis)

CO2 Intensity Factor adjusted to reflect Marin Clean Energy's GHG Emissions Factors

Land Use - Based conceptual site plan on final project description.

Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Area Mitigation - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	331
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10
tblVehicleTrips	WD_TR	6.59	5.44

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tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.5004	0.4579	33.4675	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	10,837.9001	10,837.9001	0.7361	0.1971	10,915.0378
Mobile	4.6994	21.9670	51.2988	0.2251	24.9856	0.1477	25.1333	6.7005	0.1373	6.8378	0.0000	20,712.9477	20,712.9477	0.6326	0.0000	20,728.7632
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	365.6125	464.5005	10.1888	0.2465	792.6620
Total	24.5149	25.1550	86.1831	0.2445	24.9856	0.5571	25.5426	6.7005	0.5467	7.2471	590.9117	32,055.5249	32,646.4365	40.6894	0.4451	33,796.3103

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.5004	0.4579	33.4675	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	10,837.9001	10,837.9001	0.7361	0.1971	10,915.0378
Mobile	3.6078	16.3124	25.8619	0.0877	8.3077	0.0652	8.3729	2.2279	0.0605	2.2884	0.0000	8,089.5077	8,089.5077	0.3406	0.0000	8,098.0225
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	292.4900	371.6004	8.1510	0.1972	634.1296
Total	23.4234	19.5004	60.7461	0.1071	8.3077	0.4746	8.7823	2.2279	0.4698	2.6977	571.1341	19,358.9623	19,930.0964	38.3596	0.3958	21,007.0372

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.45	22.48	29.51	56.20	66.75	14.81	65.62	66.75	14.05	62.77	3.35	39.61	38.95	5.73	11.07	37.84

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.6078	16.3124	25.8619	0.0877	8.3077	0.0652	8.3729	2.2279	0.0605	2.2884	0.0000	8,089.5077	8,089.5077	0.3406	0.0000	8,098.0225
Unmitigated	4.6994	21.9670	51.2988	0.2251	24.9856	0.1477	25.1333	6.7005	0.1373	6.8378	0.0000	20,712.9477	20,712.9477	0.6326	0.0000	20,728.7632

4.2 Trip Summary Information

CityWalk Master Plan—Unmitigated 2030 Operations - Contra Costa County, Annual

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,871,164
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	853,180
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,538,736
Total	32,159.34	31,135.03	22,913.15	66,956,631	22,263,080

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Arena	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
City Park	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Enclosed Parking with Elevator	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Health Club	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Hotel	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659
Regional Shopping Center	0.606524	0.034895	0.184335	0.108602	0.012129	0.004836	0.010863	0.026200	0.001662	0.001538	0.005105	0.002652	0.000659

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,718.9236	7,718.9236	0.6763	0.1399	7,777.5268
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,718.9236	7,718.9236	0.6763	0.1399	7,777.5268
NaturalGas Mitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
NaturalGas Unmitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	2,938.1616	0.2574	0.0533	2,960.4686
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	4,173.1384	0.3656	0.0757	4,204.8215
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	1.77454e+006	266.4278	0.0233	4.8300e-003	268.4506
Total		7,718.9236	0.6763	0.1399	7,777.5268

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	2,938.1616	0.2574	0.0533	2,960.4686
Arena	278775	41.8550	3.6700e-003	7.6000e-004	42.1728
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	4,173.1384	0.3656	0.0757	4,204.8215
Health Club	123900	18.6022	1.6300e-003	3.4000e-004	18.7435
Hotel	1.86986e+006	280.7385	0.0246	5.0900e-003	282.8699
Regional Shopping Center	1.77454e+006	266.4278	0.0233	4.8300e-003	268.4506
Total		7,718.9236	0.6763	0.1399	7,777.5268

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.5004	0.4579	33.4675	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794
Unmitigated	19.5004	0.4579	33.4675	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0070	0.3852	33.4365	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0526	0.0000	56.1121
Total	19.5004	0.4579	33.4675	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0070	0.3852	33.4365	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0526	0.0000	56.1121
Total	19.5004	0.4579	33.4675	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0542	1.5400e-003	140.8794

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	371.6004	8.1510	0.1972	634.1296
Unmitigated	464.5005	10.1888	0.2465	792.6620

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	428.3380	9.5831	0.2317	736.9503
Arena	1.03654 / 0.0661622	1.2057	0.0339	8.1000e-004	2.2944
City Park	0 / 20.4101	10.7252	9.4000e-004	1.9000e-004	10.8067
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	1.2879	0.0290	7.0000e-004	2.2216
Hotel	4.28698 / 0.476332	5.0931	0.1400	3.3700e-003	9.5967
Regional Shopping Center	12.296 / 7.53628	17.8505	0.4019	9.7100e-003	30.7924
Total		464.5005	10.1888	0.2464	792.6620

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	342.6704	7.6665	0.1853	589.5602
Arena	0.829232 / 0.0529297	0.9646	0.0271	6.5000e-004	1.8355
City Park	0 / 16.3281	8.5802	7.5000e-004	1.6000e-004	8.6453
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	1.0303	0.0232	5.6000e-004	1.7773
Hotel	3.42959 / 0.381065	4.0745	0.1120	2.6900e-003	7.6774
Regional Shopping Center	9.83683 / 6.02903	14.2804	0.3215	7.7700e-003	24.6339
Total		371.6004	8.1510	0.1972	634.1296

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Unmitigated 2045 Operations. CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Area Mitigation - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00

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tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10

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tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.8224	22.2557	70.6964	0.2222	24.9735	0.4861	25.4595	6.6946	0.4807	7.1753	590.9117	21,986.1707	22,577.0823	39.8608	0.2985	23,662.5689

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	2.1071	15.0775	17.2005	0.0800	8.3037	0.0332	8.3369	2.2260	0.0309	2.2568	0.0000	7,417.5440	7,417.5440	0.2739	0.0000	7,424.3914
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	21.9208	18.2653	52.0261	0.0994	8.3037	0.4426	8.7462	2.2260	0.4402	2.6661	571.1341	10,675.5850	11,246.7191	37.5910	0.2506	12,261.1674

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.95	17.93	26.41	55.25	66.75	8.95	65.65	66.75	8.43	62.84	3.35	51.44	50.19	5.69	16.06	48.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1071	15.0775	17.2005	0.0800	8.3037	0.0332	8.3369	2.2260	0.0309	2.2568	0.0000	7,417.5440	7,417.5440	0.2739	0.0000	7,424.3914
Unmitigated	3.0086	19.0678	35.8708	0.2028	24.9735	0.0767	25.0502	6.6946	0.0714	6.7660	0.0000	18,728.1296	18,728.1296	0.5123	0.0000	18,740.9381

4.2 Trip Summary Information

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Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,871,164
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	853,180
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,538,736
Total	32,159.34	31,135.03	22,913.15	66,956,631	22,263,080

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Arena	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
City Park	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Enclosed Parking with Elevator	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Health Club	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Hotel	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607
Regional Shopping Center	0.610580	0.034097	0.184093	0.105690	0.010388	0.004834	0.011070	0.028067	0.001699	0.001424	0.005027	0.002424	0.000607

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
NaturalGas Unmitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

CityWalk Master Plan—Unmitigated 2045 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

**CityWalk Master Plan—Unmitigated 2050 Operations
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	11,858.00	Space	7.60	4,743,200.00	0
Arena	0.77	Acre	0.77	33,750.00	0
City Park	17.13	Acre	17.13	746,182.80	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Hotel	169.00	Room	0.15	245,388.00	0
Apartments Low Rise	4,500.00	Dwelling Unit	66.85	4,500,000.00	13590
Regional Shopping Center	166.00	1000sqft	2.24	166,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - CityWalk Master Plan Bishop Ranch 1A, 3A and 2600—Unmitigated 2050 Operations. CO2 Intensity Factor adjusted to reflect compliance with CA RPS which requires 100% of State's electricity to come from carbon-free resources by 2045.

Land Use - Based conceptual site plan on final project description.
Bishop Ranch 1A, Bishop Ranch 3a, and Bishop Ranch 2600 operations.

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Architectural Coating - Operational run only

Vehicle Trips - Trip generation rates adjusted to match ITE land uses used in Transportation Impact Study for the CityWalk Master Plan Project prepared by Gibson February 2020.

ITE Trip Generation Rates without reductions.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Mobile Land Use Mitigation - Project design features and factors related to the project's location in an existing community.

Area Mitigation - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00

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tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	110.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	765.00	0.00
tblLandUse	LandUseSquareFeet	33,541.20	33,750.00
tblLandUse	LotAcreage	106.72	7.60
tblLandUse	LotAcreage	5.63	0.15
tblLandUse	LotAcreage	281.25	66.85
tblLandUse	LotAcreage	3.81	2.24
tblLandUse	Population	12,870.00	13,590.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	1,144.00	0.00
tblVehicleTrips	ST_TR	7.16	4.91
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	6.07	4.09
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.24	21.10

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tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	98.8880	0.0000	98.8880	10.1567	0.2398	424.2737
Total	22.6929	22.1955	69.8566	0.2218	24.9707	0.4827	25.4534	6.6933	0.4776	7.1709	590.9117	21,948.1894	22,539.1011	39.8542	0.2985	23,624.4243

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Energy	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
Mobile	1.9868	15.0864	16.7092	0.0800	8.3028	0.0316	8.3344	2.2255	0.0293	2.2549	0.0000	7,418.6847	7,418.6847	0.2700	0.0000	7,425.4345
Waste						0.0000	0.0000		0.0000	0.0000	492.0237	0.0000	492.0237	29.0778	0.0000	1,218.9679
Water						0.0000	0.0000		0.0000	0.0000	79.1104	0.0000	79.1104	8.1254	0.1919	339.4190
Total	21.8005	18.2742	51.5348	0.0994	8.3028	0.4409	8.7437	2.2255	0.4387	2.6642	571.1341	10,676.7258	11,247.8599	37.5871	0.2506	12,262.2106

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.93	17.67	26.23	55.17	66.75	8.66	65.65	66.75	8.15	62.85	3.35	51.35	50.10	5.69	16.06	48.10

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/7/2020	4/7/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 7.6

Residential Indoor: 9,112,500; Residential Outdoor: 3,037,500; Non-Residential Indoor: 690,222; Non-Residential Outdoor: 230,074; Striped Parking Area: 284,592 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network
- Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9868	15.0864	16.7092	0.0800	8.3028	0.0316	8.3344	2.2255	0.0293	2.2549	0.0000	7,418.6847	7,418.6847	0.2700	0.0000	7,425.4345
Unmitigated	2.8791	19.0077	35.0310	0.2023	24.9707	0.0734	25.0441	6.6933	0.0683	6.7615	0.0000	18,690.1484	18,690.1484	0.5058	0.0000	18,702.7935

4.2 Trip Summary Information

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	24,480.00	22,095.00	18405.00	53,747,861	17,871,164
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	1,412.84	1,384.11	1005.55	2,565,954	853,180
Regional Shopping Center	6,266.50	7,655.92	3502.60	10,642,816	3,538,736
Total	32,159.34	31,135.03	22,913.15	66,956,631	22,263,080

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Arena	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
City Park	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Enclosed Parking with Elevator	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Health Club	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Hotel	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606
Regional Shopping Center	0.610901	0.034103	0.184115	0.105098	0.010250	0.004842	0.011067	0.028522	0.001710	0.001425	0.005016	0.002345	0.000606

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110
NaturalGas Unmitigated	0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.58948e+007	0.2475	2.1148	0.8999	0.0135		0.1710	0.1710		0.1710	0.1710	0.0000	2,449.1226	2,449.1226	0.0469	0.0449	2,463.6766
Arena	890325	4.8000e-003	0.0436	0.0367	2.6000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	47.5111	47.5111	9.1000e-004	8.7000e-004	47.7935
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	395700	2.1300e-003	0.0194	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.1161	21.1161	4.0000e-004	3.9000e-004	21.2415
Hotel	1.08731e+007	0.0586	0.5330	0.4477	3.2000e-003		0.0405	0.0405		0.0405	0.0405	0.0000	580.2323	580.2323	0.0111	0.0106	583.6803
Regional Shopping Center	393420	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	20.9944	20.9944	4.0000e-004	3.8000e-004	21.1192
Total		0.3152	2.7301	1.4168	0.0172		0.2178	0.2178		0.2178	0.2178	0.0000	3,118.9765	3,118.9765	0.0598	0.0572	3,137.5110

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.95696e+007	0.0000	0.0000	0.0000	0.0000
Arena	278775	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.77952e+007	0.0000	0.0000	0.0000	0.0000
Health Club	123900	0.0000	0.0000	0.0000	0.0000
Hotel	1.86986e+006	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.77454e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782
Unmitigated	19.4986	0.4577	33.4088	2.2400e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	14.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.5100e-003	0.0728	0.0310	4.6000e-004		5.8800e-003	5.8800e-003		5.8800e-003	5.8800e-003	0.0000	84.2665	84.2665	1.6200e-003	1.5400e-003	84.7673
Landscaping	1.0052	0.3850	33.3779	1.7700e-003		0.1857	0.1857		0.1857	0.1857	0.0000	54.7980	54.7980	0.0525	0.0000	56.1109
Total	19.4986	0.4577	33.4088	2.2300e-003		0.1916	0.1916		0.1916	0.1916	0.0000	139.0646	139.0646	0.0541	1.5400e-003	140.8782

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.1104	8.1254	0.1919	339.4190
Unmitigated	98.8880	10.1567	0.2398	424.2737

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	293.193 / 184.839	93.0167	9.5537	0.2256	399.0831
Arena	1.03654 / 0.0661622	0.3289	0.0338	8.0000e-004	1.4109
City Park	0 / 20.4101	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.887147 / 0.543735	0.2815	0.0289	6.8000e-004	1.2076
Hotel	4.28698 / 0.476332	1.3601	0.1397	3.3000e-003	5.8353
Regional Shopping Center	12.296 / 7.53628	3.9010	0.4007	9.4600e-003	16.7369
Total		98.8880	10.1568	0.2398	424.2737

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	234.554 / 147.871	74.4133	7.6430	0.1805	319.2665
Arena	0.829232 / 0.0529297	0.2631	0.0270	6.4000e-004	1.1287
City Park	0 / 16.3281	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.709718 / 0.434988	0.2252	0.0231	5.5000e-004	0.9660
Hotel	3.42959 / 0.381065	1.0881	0.1118	2.6400e-003	4.6682
Regional Shopping Center	9.83683 / 6.02903	3.1208	0.3205	7.5700e-003	13.3895
Total		79.1104	8.1254	0.1919	339.4190

8.0 Waste Detail

8.1 Mitigation Measures Waste

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.0237	29.0778	0.0000	1,218,967 ₉
Unmitigated	492.0237	29.0778	0.0000	1,218,967 ₉

CityWalk Master Plan—Unmitigated 2050 Operations - Contra Costa County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2070	420.1913	24.8326	0.0000	1,041.0061
Arena	0.07	0.0142	8.4000e-004	0.0000	0.0352
City Park	1.47	0.2984	0.0176	0.0000	0.7393
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Hotel	92.53	18.7828	1.1100	0.0000	46.5335
Regional Shopping Center	174.3	35.3813	2.0910	0.0000	87.6557
Total		492.0237	29.0778	0.0000	1,218.9679

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
