

APPENDIX A: AIR QUALITY MODELING WORKSHEETS

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

Olympic and Hill Proposed Project
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,075.00	Space	0.00	430,000.00	0
Quality Restaurant	8.00	1000sqft	0.00	8,000.00	0
Apartments High Rise	700.00	Dwelling Unit	1.16	643,021.00	1176
Strip Mall	7.00	1000sqft	0.00	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Project data per Site Plan dated 5.5.17

Construction Phase - Approximate 30-month construction timeline.

Off-road Equipment - Architectural Coating: Equipment use on worst-case day.

Off-road Equipment - Building Construction: Equipment use on worst-case day.

Off-road Equipment - Grading: Equipment use on worst-case day.

Off-road Equipment -

Off-road Equipment - Site Preparation: Equipment use on worst-case day.

Trips and VMT - Assumes 14 cy haul truck capacity and 105 haul trips per grading day. Soil export to be deposited at Azusa Landfill (47 mi roundtrip)

Grading - Approximate 1,000 cy asphalt debris and 206,100 cy of soil export for 4-level subterranean garage.

Vehicle Trips - Trip rates were adjusted to incorporate trip reductions (internal capture, transit credit, and pass-by). Trip reductions per Traffic Study (5.3.17)

Woodstoves - No wood fireplaces or woodstoves are proposed.

Sequestration - 175 trees proposed on-site.

Construction Off-road Equipment Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	96.00
tblConstructionPhase	NumDays	200.00	400.00
tblConstructionPhase	NumDays	4.00	146.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	NumberGas	595.00	700.00
tblFireplaces	NumberNoFireplace	70.00	0.00

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

tblFireplaces	NumberWood	35.00	0.00
tblGrading	MaterialExported	0.00	206,100.00
tblGrading	MaterialExported	0.00	1,126.00
tblLandUse	LandUseSquareFeet	700,000.00	643,021.00
tblLandUse	LotAcreage	9.67	0.00
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	11.29	1.16
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	Population	2,002.00	1,176.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblSequestration	NumberOfNewTrees	0.00	175.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	111.00	142.00
tblTripsAndVMT	HaulingTripNumber	25,763.00	29,443.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	148.00	100.00
tblTripsAndVMT	VendorTripNumber	0.00	50.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	38.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.98	4.10
tblVehicleTrips	ST_TR	94.36	59.41
tblVehicleTrips	ST_TR	42.04	11.78
tblVehicleTrips	SU_TR	3.65	3.01
tblVehicleTrips	SU_TR	72.16	45.43
tblVehicleTrips	SU_TR	20.43	5.73
tblVehicleTrips	WD_TR	4.20	4.07
tblVehicleTrips	WD_TR	89.95	56.63
tblVehicleTrips	WD_TR	44.32	12.43
tblWoodstoves	NumberCatalytic	35.00	0.00
tblWoodstoves	NumberNoncatalytic	35.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2018	4.5221	99.0626	28.0584	0.2172	17.9082	1.5055	19.4136	6.2818	1.3956	7.6774	0.0000	23,185.37 85	23,185.37 85	2.3571	0.0000	23,244.30 53
2019	7.4879	92.9513	54.3402	0.2146	12.4244	1.6307	13.8062	4.9357	1.5834	6.2166	0.0000	22,887.07 75	22,887.07 75	2.3370	0.0000	22,945.50 36
2020	46.8535	36.5612	51.1280	0.1379	8.3526	1.4118	9.7644	2.2297	1.3708	3.6005	0.0000	13,622.03 42	13,622.03 42	0.9345	0.0000	13,645.39 57
2021	46.6502	14.5812	17.2879	0.0448	1.8625	0.5869	2.4494	0.5012	0.5780	1.0792	0.0000	4,469.863 5	4,469.863 5	0.4590	0.0000	4,477.959 8
Maximum	46.8535	99.0626	54.3402	0.2172	17.9082	1.6307	19.4136	6.2818	1.5834	7.6774	0.0000	23,185.37 85	23,185.37 85	2.3571	0.0000	23,244.30 53

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

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	lb/day										lb/day					
Area	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Energy	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.297 5	2,678.297 5	0.0513	0.0491	2,694.213 3
Mobile	5.9260	32.9941	80.7433	0.3151	27.4749	0.2533	27.7281	7.3512	0.2364	7.5876		32,094.33 21	32,094.33 21	1.5354		32,132.71 59
Total	23.6412	47.4016	144.7213	0.4056	27.4749	1.6816	29.1564	7.3512	1.6647	9.0159	0.0000	49,700.38 42	49,700.38 42	1.9718	0.3209	49,845.29 64

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	lb/day										lb/day					
Area	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Energy	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.297 5	2,678.297 5	0.0513	0.0491	2,694.213 3
Mobile	5.9260	32.9941	80.7433	0.3151	27.4749	0.2533	27.7281	7.3512	0.2364	7.5876		32,094.33 21	32,094.33 21	1.5354		32,132.71 59
Total	23.6412	47.4016	144.7213	0.4056	27.4749	1.6816	29.1564	7.3512	1.6647	9.0159	0.0000	49,700.38 42	49,700.38 42	1.9718	0.3209	49,845.29 64

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	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	11/1/2018	11/7/2018	5	5	
2	Grading	Grading	11/8/2018	4/26/2019	6	146	
3	Building Construction	Building Construction	4/27/2019	11/6/2020	5	400	
4	Architectural Coating	Architectural Coating	11/7/2020	3/22/2021	5	96	
5	Paving	Paving	3/23/2021	4/20/2021	5	21	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 54.75

Acres of Paving: 0

Residential Indoor: 1,302,118; Residential Outdoor: 434,039; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 25,800 (Architectural Coating – sqft)

OffRoad Equipment

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	5	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

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	4	5.00	10.00	142.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	29,443.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	690.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	7	138.00	50.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					5.8197	0.0000	5.8197	2.9568	0.0000	2.9568			0.0000			0.0000
Off-Road	2.3255	24.6622	11.8049	0.0235		1.2192	1.2192		1.1431	1.1431		2,328.0276	2,328.0276	0.5861		2,342.6808
Total	2.3255	24.6622	11.8049	0.0235	5.8197	1.2192	7.0390	2.9568	1.1431	4.0998		2,328.0276	2,328.0276	0.5861		2,342.6808

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Hauling	0.2911	10.0705	2.0059	0.0260	0.5954	0.0406	0.6360	0.1632	0.0388	0.2020		2,807.667 2	2,807.667 2	0.1953		2,812.550 0
Vendor	0.0444	1.2139	0.3350	2.5400e-003	0.0640	8.9900e-003	0.0730	0.0184	8.6000e-003	0.0270		270.7564	270.7564	0.0204		271.2658
Worker	0.0293	0.0212	0.2271	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.1000e-004	0.0152		57.0340	57.0340	1.9500e-003		57.0826
Total	0.3648	11.3055	2.5680	0.0292	0.7153	0.0500	0.7653	0.1964	0.0479	0.2443		3,135.457 6	3,135.457 6	0.2176		3,140.898 4

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	lb/day										lb/day					
Fugitive Dust					2.6189	0.0000	2.6189	1.3305	0.0000	1.3305			0.0000			0.0000
Off-Road	2.3255	24.6622	11.8049	0.0235		1.2192	1.2192		1.1431	1.1431	0.0000	2,328.027 6	2,328.027 6	0.5861		2,342.680 8
Total	2.3255	24.6622	11.8049	0.0235	2.6189	1.2192	3.8381	1.3305	1.1431	2.4736	0.0000	2,328.027 6	2,328.027 6	0.5861		2,342.680 8

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Hauling	0.2911	10.0705	2.0059	0.0260	0.5954	0.0406	0.6360	0.1632	0.0388	0.2020		2,807.667 2	2,807.667 2	0.1953		2,812.550 0
Vendor	0.0444	1.2139	0.3350	2.5400e-003	0.0640	8.9900e-003	0.0730	0.0184	8.6000e-003	0.0270		270.7564	270.7564	0.0204		271.2658
Worker	0.0293	0.0212	0.2271	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.1000e-004	0.0152		57.0340	57.0340	1.9500e-003		57.0826
Total	0.3648	11.3055	2.5680	0.0292	0.7153	0.0500	0.7653	0.1964	0.0479	0.2443		3,135.457 6	3,135.457 6	0.2176		3,140.898 4

3.3 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					6.5794	0.0000	6.5794	3.3773	0.0000	3.3773			0.0000			0.0000
Off-Road	2.3791	27.4986	13.2245	0.0308		1.2161	1.2161		1.1188	1.1188		3,100.242 3	3,100.242 3	0.9652		3,124.371 0
Total	2.3791	27.4986	13.2245	0.0308	6.5794	1.2161	7.7955	3.3773	1.1188	4.4961		3,100.242 3	3,100.242 3	0.9652		3,124.371 0

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.3 Grading - 2018

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	lb/day										lb/day					
Hauling	2.0669	71.5090	14.2436	0.1849	11.1834	0.2882	11.4717	2.8659	0.2758	3.1416		19,936.8480	19,936.8480	1.3869		19,971.5195
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
Worker	0.0762	0.0550	0.5903	1.4900e-003	0.1453	1.1600e-003	0.1465	0.0385	1.0700e-003	0.0396		148.2883	148.2883	5.0600e-003		148.4148
Total	2.1431	71.5640	14.8340	0.1864	11.3287	0.2894	11.6181	2.9044	0.2768	3.1812		20,085.1363	20,085.1363	1.3919		20,119.9343

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	lb/day										lb/day					
Fugitive Dust					2.9607	0.0000	2.9607	1.5198	0.0000	1.5198			0.0000			0.0000
Off-Road	2.3791	27.4986	13.2245	0.0308		1.2161	1.2161		1.1188	1.1188	0.0000	3,100.2423	3,100.2423	0.9652		3,124.3710
Total	2.3791	27.4986	13.2245	0.0308	2.9607	1.2161	4.1768	1.5198	1.1188	2.6386	0.0000	3,100.2423	3,100.2423	0.9652		3,124.3710

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.3 Grading - 2018

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	lb/day										lb/day					
Hauling	2.0669	71.5090	14.2436	0.1849	11.1834	0.2882	11.4717	2.8659	0.2758	3.1416		19,936.8480	19,936.8480	1.3869		19,971.5195
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
Worker	0.0762	0.0550	0.5903	1.4900e-003	0.1453	1.1600e-003	0.1465	0.0385	1.0700e-003	0.0396		148.2883	148.2883	5.0600e-003		148.4148
Total	2.1431	71.5640	14.8340	0.1864	11.3287	0.2894	11.6181	2.9044	0.2768	3.1812		20,085.1363	20,085.1363	1.3919		20,119.9343

3.3 Grading - 2019

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	lb/day										lb/day					
Fugitive Dust					6.5794	0.0000	6.5794	3.3773	0.0000	3.3773			0.0000			0.0000
Off-Road	2.2435	25.4280	13.0076	0.0308		1.1177	1.1177		1.0283	1.0283		3,046.1335	3,046.1335	0.9638		3,070.2276
Total	2.2435	25.4280	13.0076	0.0308	6.5794	1.1177	7.6971	3.3773	1.0283	4.4056		3,046.1335	3,046.1335	0.9638		3,070.2276

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.3 Grading - 2019

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	lb/day										lb/day					
Hauling	1.9599	67.4748	13.9125	0.1824	5.6997	0.2630	5.9627	1.5199	0.2516	1.7714		19,697.3387	19,697.3387	1.3688		19,731.5586
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
Worker	0.0693	0.0485	0.5270	1.4400e-003	0.1453	1.1300e-003	0.1464	0.0385	1.0400e-003	0.0396		143.6053	143.6053	4.4900e-003		143.7174
Total	2.0292	67.5233	14.4395	0.1838	5.8450	0.2641	6.1091	1.5584	0.2526	1.8110		19,840.9440	19,840.9440	1.3733		19,875.2760

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	lb/day										lb/day					
Fugitive Dust					2.9607	0.0000	2.9607	1.5198	0.0000	1.5198			0.0000			0.0000
Off-Road	2.2435	25.4280	13.0076	0.0308		1.1177	1.1177		1.0283	1.0283	0.0000	3,046.1335	3,046.1335	0.9638		3,070.2276
Total	2.2435	25.4280	13.0076	0.0308	2.9607	1.1177	4.0784	1.5198	1.0283	2.5481	0.0000	3,046.1335	3,046.1335	0.9638		3,070.2276

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.3 Grading - 2019

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	lb/day										lb/day					
Hauling	1.9599	67.4748	13.9125	0.1824	5.6997	0.2630	5.9627	1.5199	0.2516	1.7714		19,697.3387	19,697.3387	1.3688		19,731.5586
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
Worker	0.0693	0.0485	0.5270	1.4400e-003	0.1453	1.1300e-003	0.1464	0.0385	1.0400e-003	0.0396		143.6053	143.6053	4.4900e-003		143.7174
Total	2.0292	67.5233	14.4395	0.1838	5.8450	0.2641	6.1091	1.5584	0.2526	1.8110		19,840.9440	19,840.9440	1.3733		19,875.2760

3.4 Building Construction - 2019

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	lb/day										lb/day					
Off-Road	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544		3,594.3318	3,594.3318	0.5628		3,608.4022
Total	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544		3,594.3318	3,594.3318	0.5628		3,608.4022

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2019

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4027	11.4505	3.0806	0.0252	0.6400	0.0770	0.7170	0.1843	0.0737	0.2579		2,683.1627	2,683.1627	0.1964		2,688.0726
Worker	3.6793	2.5757	27.9715	0.0765	7.7126	0.0600	7.7726	2.0454	0.0553	2.1007		7,622.1246	7,622.1246	0.2381		7,628.0781
Total	4.0820	14.0261	31.0521	0.1017	8.3526	0.1370	8.4896	2.2297	0.1290	2.3586		10,305.2873	10,305.2873	0.4345		10,316.1506

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	lb/day										lb/day					
Off-Road	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544	0.0000	3,594.3318	3,594.3318	0.5628		3,608.4022
Total	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544	0.0000	3,594.3318	3,594.3318	0.5628		3,608.4022

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2019

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4027	11.4505	3.0806	0.0252	0.6400	0.0770	0.7170	0.1843	0.0737	0.2579		2,683.1627	2,683.1627	0.1964		2,688.0726
Worker	3.6793	2.5757	27.9715	0.0765	7.7126	0.0600	7.7726	2.0454	0.0553	2.1007		7,622.1246	7,622.1246	0.2381		7,628.0781
Total	4.0820	14.0261	31.0521	0.1017	8.3526	0.1370	8.4896	2.2297	0.1290	2.3586		10,305.2873	10,305.2873	0.4345		10,316.1506

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665		3,571.3879	3,571.3879	0.5376		3,584.8277
Total	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665		3,571.3879	3,571.3879	0.5376		3,584.8277

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3440	10.4826	2.7859	0.0250	0.6400	0.0528	0.6928	0.1843	0.0505	0.2347		2,665.128 1	2,665.128 1	0.1851		2,669.754 6
Worker	3.4049	2.2978	25.3980	0.0741	7.7126	0.0585	7.7711	2.0454	0.0539	2.0993		7,385.518 2	7,385.518 2	0.2118		7,390.813 4
Total	3.7489	12.7804	28.1839	0.0991	8.3526	0.1113	8.4639	2.2297	0.1044	2.3340		10,050.64 63	10,050.64 63	0.3969		10,060.56 80

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	lb/day										lb/day					
Off-Road	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665	0.0000	3,571.387 9	3,571.387 9	0.5376		3,584.827 7
Total	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665	0.0000	3,571.387 9	3,571.387 9	0.5376		3,584.827 7

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.4 Building Construction - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3440	10.4826	2.7859	0.0250	0.6400	0.0528	0.6928	0.1843	0.0505	0.2347		2,665.128 1	2,665.128 1	0.1851		2,669.754 6
Worker	3.4049	2.2978	25.3980	0.0741	7.7126	0.0585	7.7711	2.0454	0.0539	2.0993		7,385.518 2	7,385.518 2	0.2118		7,390.813 4
Total	3.7489	12.7804	28.1839	0.0991	8.3526	0.1113	8.4639	2.2297	0.1044	2.3340		10,050.64 63	10,050.64 63	0.3969		10,060.56 80

3.5 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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3945	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568		1,717.890 9	1,717.890 9	0.2094		1,723.126 5
Total	46.0005	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568		1,717.890 9	1,717.890 9	0.2094		1,723.126 5

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1720	5.2413	1.3929	0.0125	0.3200	0.0264	0.3464	0.0921	0.0252	0.1174		1,332.5640	1,332.5640	0.0925		1,334.8773
Worker	0.6810	0.4596	5.0796	0.0148	1.5425	0.0117	1.5542	0.4091	0.0108	0.4199		1,477.1036	1,477.1036	0.0424		1,478.1627
Total	0.8530	5.7009	6.4725	0.0273	1.8625	0.0381	1.9006	0.5012	0.0360	0.5372		2,809.6677	2,809.6677	0.1349		2,813.0400

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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3945	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568	0.0000	1,717.8909	1,717.8909	0.2094		1,723.1265
Total	46.0005	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568	0.0000	1,717.8909	1,717.8909	0.2094		1,723.1265

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1720	5.2413	1.3929	0.0125	0.3200	0.0264	0.3464	0.0921	0.0252	0.1174		1,332.5640	1,332.5640	0.0925		1,334.8773
Worker	0.6810	0.4596	5.0796	0.0148	1.5425	0.0117	1.5542	0.4091	0.0108	0.4199		1,477.1036	1,477.1036	0.0424		1,478.1627
Total	0.8530	5.7009	6.4725	0.0273	1.8625	0.0381	1.9006	0.5012	0.0360	0.5372		2,809.6677	2,809.6677	0.1349		2,813.0400

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.2613	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580		1,717.8909	1,717.8909	0.1970		1,722.8170
Total	45.8673	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580		1,717.8909	1,717.8909	0.1970		1,722.8170

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1465	4.7537	1.2663	0.0124	0.3200	9.9100e-003	0.3299	0.0921	9.4800e-003	0.1016		1,322.7510	1,322.7510	0.0885		1,324.9635
Worker	0.6364	0.4136	4.6719	0.0143	1.5425	0.0114	1.5539	0.4091	0.0105	0.4195		1,429.2217	1,429.2217	0.0383		1,430.1793
Total	0.7829	5.1672	5.9382	0.0267	1.8625	0.0213	1.8838	0.5012	0.0199	0.5211		2,751.9726	2,751.9726	0.1268		2,755.1428

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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.2613	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580	0.0000	1,717.8909	1,717.8909	0.1970		1,722.8170
Total	45.8673	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580	0.0000	1,717.8909	1,717.8909	0.1970		1,722.8170

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1465	4.7537	1.2663	0.0124	0.3200	9.9100e-003	0.3299	0.0921	9.4800e-003	0.1016		1,322.7510	1,322.7510	0.0885		1,324.9635
Worker	0.6364	0.4136	4.6719	0.0143	1.5425	0.0114	1.5539	0.4091	0.0105	0.4195		1,429.2217	1,429.2217	0.0383		1,430.1793
Total	0.7829	5.1672	5.9382	0.0267	1.8625	0.0213	1.8838	0.5012	0.0199	0.5211		2,751.9726	2,751.9726	0.1268		2,755.1428

3.6 Paving - 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	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.6 Paving - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0732	2.3768	0.6332	6.2000e-003	0.1600	4.9600e-003	0.1650	0.0461	4.7400e-003	0.0508		661.3755	661.3755	0.0443		662.4818
Worker	0.0600	0.0390	0.4401	1.3500e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		134.6368	134.6368	3.6100e-003		134.7270
Total	0.1332	2.4158	1.0733	7.5500e-003	0.3053	6.0300e-003	0.3113	0.0846	5.7300e-003	0.0903		796.0123	796.0123	0.0479		797.2088

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	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

3.6 Paving - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0732	2.3768	0.6332	6.2000e-003	0.1600	4.9600e-003	0.1650	0.0461	4.7400e-003	0.0508		661.3755	661.3755	0.0443		662.4818
Worker	0.0600	0.0390	0.4401	1.3500e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		134.6368	134.6368	3.6100e-003		134.7270
Total	0.1332	2.4158	1.0733	7.5500e-003	0.3053	6.0300e-003	0.3113	0.0846	5.7300e-003	0.0903		796.0123	796.0123	0.0479		797.2088

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9260	32.9941	80.7433	0.3151	27.4749	0.2533	27.7281	7.3512	0.2364	7.5876		32,094.33 21	32,094.33 21	1.5354		32,132.71 59
Unmitigated	5.9260	32.9941	80.7433	0.3151	27.4749	0.2533	27.7281	7.3512	0.2364	7.5876		32,094.33 21	32,094.33 21	1.5354		32,132.71 59

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	2,852.00	2,870.00	2107.00	10,577,827	10,577,827
Enclosed Parking with Elevator	0.00	0.00	0.00		
Quality Restaurant	453.00	475.28	363.44	1,468,519	1,468,519
Strip Mall	87.00	82.46	40.11	274,750	274,750
Total	3,392.00	3,427.74	2,510.55	12,321,095	12,321,095

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 High Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	100	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Enclosed Parking with Elevator	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Quality Restaurant	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Strip Mall	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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
	lb/day										lb/day					
NaturalGas Mitigated	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133
NaturalGas Unmitigated	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

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	lb/day										lb/day					
Apartments High Rise	17676.3	0.1906	1.6290	0.6932	0.0104		0.1317	0.1317		0.1317	0.1317		2,079.5675	2,079.5675	0.0399	0.0381	2,091.9253
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
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Strip Mall	31.4521	3.4000e-004	3.0800e-003	2.5900e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.7002	3.7002	7.0000e-005	7.0000e-005	3.7222
Total		0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

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	lb/day										lb/day					
Apartments High Rise	17.6763	0.1906	1.6290	0.6932	0.0104		0.1317	0.1317		0.1317	0.1317		2,079.5675	2,079.5675	0.0399	0.0381	2,091.9253
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
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Strip Mall	0.0314521	3.4000e-004	3.0800e-003	2.5900e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.7002	3.7002	7.0000e-005	7.0000e-005	3.7222
Total		0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Unmitigated	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

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	lb/day										lb/day					
Architectural Coating	1.1732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3588	11.6118	4.9412	0.0741		0.9388	0.9388		0.9388	0.9388	0.0000	14,823.52 94	14,823.52 94	0.2841	0.2718	14,911.61 82
Landscaping	1.7566	0.6678	57.9245	3.0600e-003		0.3198	0.3198		0.3198	0.3198		104.2252	104.2252	0.1010		106.7490
Total	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

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	lb/day										lb/day					
Architectural Coating	1.1732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3588	11.6118	4.9412	0.0741		0.9388	0.9388		0.9388	0.9388	0.0000	14,823.52 94	14,823.52 94	0.2841	0.2718	14,911.61 82
Landscaping	1.7566	0.6678	57.9245	3.0600e-003		0.3198	0.3198		0.3198	0.3198		104.2252	104.2252	0.1010		106.7490
Total	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Olympic and Hill Proposed Project - South Coast AQMD Air District, Winter

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

Olympic and Hill Proposed Project
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,075.00	Space	0.00	430,000.00	0
Quality Restaurant	8.00	1000sqft	0.00	8,000.00	0
Apartments High Rise	700.00	Dwelling Unit	1.16	643,021.00	1176
Strip Mall	7.00	1000sqft	0.00	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Project data per Site Plan dated 5.5.17

Construction Phase - Approximate 30-month construction timeline.

Off-road Equipment - Architectural Coating: Equipment use on worst-case day.

Off-road Equipment - Building Construction: Equipment use on worst-case day.

Off-road Equipment - Grading: Equipment use on worst-case day.

Off-road Equipment -

Off-road Equipment - Site Preparation: Equipment use on worst-case day.

Trips and VMT - Assumes 14 cy haul truck capacity and 105 haul trips per grading day. Soil export to be deposited at Azusa Landfill (47 mi roundtrip)

Grading - Approximate 1,000 cy asphalt debris and 206,100 cy of soil export for 4-level subterranean garage.

Vehicle Trips - Trip rates were adjusted to incorporate trip reductions (internal capture, transit credit, and pass-by). Trip reductions per Traffic Study (5.3.17)

Woodstoves - No wood fireplaces or woodstoves are proposed.

Sequestration - 175 trees proposed on-site.

Construction Off-road Equipment Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	96.00
tblConstructionPhase	NumDays	200.00	400.00
tblConstructionPhase	NumDays	4.00	146.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	NumberGas	595.00	700.00
tblFireplaces	NumberNoFireplace	70.00	0.00

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

tblFireplaces	NumberWood	35.00	0.00
tblGrading	MaterialExported	0.00	206,100.00
tblGrading	MaterialExported	0.00	1,126.00
tblLandUse	LandUseSquareFeet	700,000.00	643,021.00
tblLandUse	LotAcreage	9.67	0.00
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	11.29	1.16
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	Population	2,002.00	1,176.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblSequestration	NumberOfNewTrees	0.00	175.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	111.00	142.00
tblTripsAndVMT	HaulingTripNumber	25,763.00	29,443.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	148.00	100.00
tblTripsAndVMT	VendorTripNumber	0.00	50.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	38.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.98	4.10
tblVehicleTrips	ST_TR	94.36	59.41
tblVehicleTrips	ST_TR	42.04	11.78
tblVehicleTrips	SU_TR	3.65	3.01
tblVehicleTrips	SU_TR	72.16	45.43
tblVehicleTrips	SU_TR	20.43	5.73
tblVehicleTrips	WD_TR	4.20	4.07
tblVehicleTrips	WD_TR	89.95	56.63
tblVehicleTrips	WD_TR	44.32	12.43
tblWoodstoves	NumberCatalytic	35.00	0.00
tblWoodstoves	NumberNoncatalytic	35.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2018	4.4643	97.8439	27.1600	0.2202	17.9082	1.5008	19.4090	6.2818	1.3912	7.6729	0.0000	23,505.54 21	23,505.54 21	2.3030	0.0000	23,563.11 58
2019	7.1706	91.8336	57.0584	0.2176	12.4244	1.6295	13.8021	4.9357	1.5822	6.2127	0.0000	23,206.90 30	23,206.90 30	2.2847	0.0000	23,264.01 99
2020	46.7891	36.3728	53.6512	0.1438	8.3526	1.4110	9.7636	2.2297	1.3701	3.5998	0.0000	14,212.35 29	14,212.35 29	0.9369	0.0000	14,235.77 63
2021	46.5890	14.5605	17.6801	0.0462	1.8625	0.5866	2.4491	0.5012	0.5777	1.0789	0.0000	4,608.299 8	4,608.299 8	0.4562	0.0000	4,616.313 3
Maximum	46.7891	97.8439	57.0584	0.2202	17.9082	1.6295	19.4090	6.2818	1.5822	7.6729	0.0000	23,505.54 21	23,505.54 21	2.3030	0.0000	23,563.11 58

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
Area	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Energy	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.297 5	2,678.297 5	0.0513	0.0491	2,694.213 3
Mobile	6.2319	32.2982	86.8264	0.3328	27.4749	0.2520	27.7269	7.3512	0.2352	7.5864		33,873.47 78	33,873.47 78	1.5402		33,911.98 15
Total	23.9471	46.7057	150.8044	0.4233	27.4749	1.6803	29.1551	7.3512	1.6635	9.0146	0.0000	51,479.52 99	51,479.52 99	1.9766	0.3209	51,624.56 20

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	lb/day										lb/day					
Area	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Energy	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.297 5	2,678.297 5	0.0513	0.0491	2,694.213 3
Mobile	6.2319	32.2982	86.8264	0.3328	27.4749	0.2520	27.7269	7.3512	0.2352	7.5864		33,873.47 78	33,873.47 78	1.5402		33,911.98 15
Total	23.9471	46.7057	150.8044	0.4233	27.4749	1.6803	29.1551	7.3512	1.6635	9.0146	0.0000	51,479.52 99	51,479.52 99	1.9766	0.3209	51,624.56 20

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	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	11/1/2018	11/7/2018	5	5	
2	Grading	Grading	11/8/2018	4/26/2019	6	146	
3	Building Construction	Building Construction	4/27/2019	11/6/2020	5	400	
4	Architectural Coating	Architectural Coating	11/7/2020	3/22/2021	5	96	
5	Paving	Paving	3/23/2021	4/20/2021	5	21	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 54.75

Acres of Paving: 0

Residential Indoor: 1,302,118; Residential Outdoor: 434,039; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 25,800 (Architectural Coating – sqft)

OffRoad Equipment

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	5	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

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	4	5.00	10.00	142.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	29,443.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	690.00	100.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	7	138.00	50.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					5.8197	0.0000	5.8197	2.9568	0.0000	2.9568			0.0000			0.0000
Off-Road	2.3255	24.6622	11.8049	0.0235		1.2192	1.2192		1.1431	1.1431		2,328.0276	2,328.0276	0.5861		2,342.6808
Total	2.3255	24.6622	11.8049	0.0235	5.8197	1.2192	7.0390	2.9568	1.1431	4.0998		2,328.0276	2,328.0276	0.5861		2,342.6808

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Hauling	0.2838	9.8995	1.8707	0.0264	0.5954	0.0399	0.6354	0.1632	0.0382	0.2014		2,851.3149	2,851.3149	0.1876		2,856.0059
Vendor	0.0426	1.2118	0.3018	2.6200e-003	0.0640	8.8500e-003	0.0729	0.0184	8.4700e-003	0.0269		278.6580	278.6580	0.0190		279.1322
Worker	0.0269	0.0193	0.2509	6.1000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.1000e-004	0.0152		60.9676	60.9676	2.0800e-003		61.0196
Total	0.3533	11.1307	2.4233	0.0297	0.7153	0.0492	0.7646	0.1964	0.0471	0.2435		3,190.9406	3,190.9406	0.2087		3,196.1576

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	lb/day										lb/day					
Fugitive Dust					2.6189	0.0000	2.6189	1.3305	0.0000	1.3305			0.0000			0.0000
Off-Road	2.3255	24.6622	11.8049	0.0235		1.2192	1.2192		1.1431	1.1431	0.0000	2,328.0276	2,328.0276	0.5861		2,342.6808
Total	2.3255	24.6622	11.8049	0.0235	2.6189	1.2192	3.8381	1.3305	1.1431	2.4736	0.0000	2,328.0276	2,328.0276	0.5861		2,342.6808

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.2 Site Preparation - 2018

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	lb/day										lb/day					
Hauling	0.2838	9.8995	1.8707	0.0264	0.5954	0.0399	0.6354	0.1632	0.0382	0.2014		2,851.3149	2,851.3149	0.1876		2,856.0059
Vendor	0.0426	1.2118	0.3018	2.6200e-003	0.0640	8.8500e-003	0.0729	0.0184	8.4700e-003	0.0269		278.6580	278.6580	0.0190		279.1322
Worker	0.0269	0.0193	0.2509	6.1000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.1000e-004	0.0152		60.9676	60.9676	2.0800e-003		61.0196
Total	0.3533	11.1307	2.4233	0.0297	0.7153	0.0492	0.7646	0.1964	0.0471	0.2435		3,190.9406	3,190.9406	0.2087		3,196.1576

3.3 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					6.5794	0.0000	6.5794	3.3773	0.0000	3.3773			0.0000			0.0000
Off-Road	2.3791	27.4986	13.2245	0.0308		1.2161	1.2161		1.1188	1.1188		3,100.2423	3,100.2423	0.9652		3,124.3710
Total	2.3791	27.4986	13.2245	0.0308	6.5794	1.2161	7.7955	3.3773	1.1188	4.4961		3,100.2423	3,100.2423	0.9652		3,124.3710

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.3 Grading - 2018

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	lb/day										lb/day					
Hauling	2.0152	70.2951	13.2832	0.1878	11.1834	0.2836	11.4670	2.8659	0.2713	3.1372		20,246.78 41	20,246.78 41	1.3324		20,280.09 40
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
Worker	0.0701	0.0502	0.6523	1.5900e-003	0.1453	1.1600e-003	0.1465	0.0385	1.0700e-003	0.0396		158.5157	158.5157	5.4100e-003		158.6508
Total	2.0852	70.3453	13.9355	0.1894	11.3287	0.2847	11.6135	2.9044	0.2724	3.1768		20,405.29 98	20,405.29 98	1.3378		20,438.74 48

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	lb/day										lb/day					
Fugitive Dust					2.9607	0.0000	2.9607	1.5198	0.0000	1.5198			0.0000			0.0000
Off-Road	2.3791	27.4986	13.2245	0.0308		1.2161	1.2161		1.1188	1.1188	0.0000	3,100.242 3	3,100.242 3	0.9652		3,124.371 0
Total	2.3791	27.4986	13.2245	0.0308	2.9607	1.2161	4.1768	1.5198	1.1188	2.6386	0.0000	3,100.242 3	3,100.242 3	0.9652		3,124.371 0

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.3 Grading - 2018

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	lb/day										lb/day					
Hauling	2.0152	70.2951	13.2832	0.1878	11.1834	0.2836	11.4670	2.8659	0.2713	3.1372		20,246.7841	20,246.7841	1.3324		20,280.0940
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
Worker	0.0701	0.0502	0.6523	1.5900e-003	0.1453	1.1600e-003	0.1465	0.0385	1.0700e-003	0.0396		158.5157	158.5157	5.4100e-003		158.6508
Total	2.0852	70.3453	13.9355	0.1894	11.3287	0.2847	11.6135	2.9044	0.2724	3.1768		20,405.2998	20,405.2998	1.3378		20,438.7448

3.3 Grading - 2019

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	lb/day										lb/day					
Fugitive Dust					6.5794	0.0000	6.5794	3.3773	0.0000	3.3773			0.0000			0.0000
Off-Road	2.2435	25.4280	13.0076	0.0308		1.1177	1.1177		1.0283	1.0283		3,046.1335	3,046.1335	0.9638		3,070.2276
Total	2.2435	25.4280	13.0076	0.0308	6.5794	1.1177	7.6971	3.3773	1.0283	4.4056		3,046.1335	3,046.1335	0.9638		3,070.2276

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.3 Grading - 2019

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	lb/day										lb/day					
Hauling	1.9112	66.3613	13.0027	0.1853	5.6997	0.2588	5.9585	1.5199	0.2476	1.7675		20,007.2409	20,007.2409	1.3161		20,040.1437
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
Worker	0.0637	0.0443	0.5841	1.5400e-003	0.1453	1.1300e-003	0.1464	0.0385	1.0400e-003	0.0396		153.5286	153.5286	4.8000e-003		153.6486
Total	1.9749	66.4056	13.5869	0.1868	5.8450	0.2600	6.1050	1.5584	0.2487	1.8071		20,160.7695	20,160.7695	1.3209		20,193.7923

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	lb/day										lb/day					
Fugitive Dust					2.9607	0.0000	2.9607	1.5198	0.0000	1.5198			0.0000			0.0000
Off-Road	2.2435	25.4280	13.0076	0.0308		1.1177	1.1177		1.0283	1.0283	0.0000	3,046.1335	3,046.1335	0.9638		3,070.2276
Total	2.2435	25.4280	13.0076	0.0308	2.9607	1.1177	4.0784	1.5198	1.0283	2.5481	0.0000	3,046.1335	3,046.1335	0.9638		3,070.2276

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.3 Grading - 2019

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	lb/day										lb/day					
Hauling	1.9112	66.3613	13.0027	0.1853	5.6997	0.2588	5.9585	1.5199	0.2476	1.7675		20,007.2409	20,007.2409	1.3161		20,040.1437
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
Worker	0.0637	0.0443	0.5841	1.5400e-003	0.1453	1.1300e-003	0.1464	0.0385	1.0400e-003	0.0396		153.5286	153.5286	4.8000e-003		153.6486
Total	1.9749	66.4056	13.5869	0.1868	5.8450	0.2600	6.1050	1.5584	0.2487	1.8071		20,160.7695	20,160.7695	1.3209		20,193.7923

3.4 Building Construction - 2019

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	lb/day										lb/day					
Off-Road	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544		3,594.3318	3,594.3318	0.5628		3,608.4022
Total	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544		3,594.3318	3,594.3318	0.5628		3,608.4022

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.4 Building Construction - 2019

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3855	11.4424	2.7661	0.0259	0.6400	0.0758	0.7158	0.1843	0.0725	0.2568		2,762.1970	2,762.1970	0.1828		2,766.7662
Worker	3.3792	2.3515	31.0042	0.0818	7.7126	0.0600	7.7726	2.0454	0.0553	2.1007		8,148.8243	8,148.8243	0.2549		8,155.1957
Total	3.7648	13.7939	33.7703	0.1078	8.3526	0.1358	8.4884	2.2297	0.1278	2.3575		10,911.0214	10,911.0214	0.4376		10,921.9618

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	lb/day										lb/day					
Off-Road	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544	0.0000	3,594.3318	3,594.3318	0.5628		3,608.4022
Total	3.4059	25.7122	23.2881	0.0387		1.4937	1.4937		1.4544	1.4544	0.0000	3,594.3318	3,594.3318	0.5628		3,608.4022

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.4 Building Construction - 2019

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3855	11.4424	2.7661	0.0259	0.6400	0.0758	0.7158	0.1843	0.0725	0.2568		2,762.1970	2,762.1970	0.1828		2,766.7662
Worker	3.3792	2.3515	31.0042	0.0818	7.7126	0.0600	7.7726	2.0454	0.0553	2.1007		8,148.8243	8,148.8243	0.2549		8,155.1957
Total	3.7648	13.7939	33.7703	0.1078	8.3526	0.1358	8.4884	2.2297	0.1278	2.3575		10,911.0214	10,911.0214	0.4376		10,921.9618

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665		3,571.3879	3,571.3879	0.5376		3,584.8277
Total	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665		3,571.3879	3,571.3879	0.5376		3,584.8277

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.4 Building Construction - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3284	10.4935	2.4987	0.0257	0.6400	0.0520	0.6920	0.1843	0.0497	0.2340		2,744.4846	2,744.4846	0.1723		2,748.7923
Worker	3.1218	2.0985	28.2084	0.0793	7.7126	0.0585	7.7711	2.0454	0.0539	2.0993		7,896.4804	7,896.4804	0.2270		7,902.1562
Total	3.4503	12.5920	30.7072	0.1050	8.3526	0.1105	8.4631	2.2297	0.1036	2.3333		10,640.9650	10,640.9650	0.3993		10,650.9485

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	lb/day										lb/day					
Off-Road	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665	0.0000	3,571.3879	3,571.3879	0.5376		3,584.8277
Total	3.0591	23.7808	22.9441	0.0387		1.3005	1.3005		1.2665	1.2665	0.0000	3,571.3879	3,571.3879	0.5376		3,584.8277

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.4 Building Construction - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3284	10.4935	2.4987	0.0257	0.6400	0.0520	0.6920	0.1843	0.0497	0.2340		2,744.4846	2,744.4846	0.1723		2,748.7923
Worker	3.1218	2.0985	28.2084	0.0793	7.7126	0.0585	7.7711	2.0454	0.0539	2.0993		7,896.4804	7,896.4804	0.2270		7,902.1562
Total	3.4503	12.5920	30.7072	0.1050	8.3526	0.1105	8.4631	2.2297	0.1036	2.3333		10,640.9650	10,640.9650	0.3993		10,650.9485

3.5 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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3945	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568		1,717.8909	1,717.8909	0.2094		1,723.1265
Total	46.0005	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568		1,717.8909	1,717.8909	0.2094		1,723.1265

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.5 Architectural Coating - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1642	5.2468	1.2494	0.0129	0.3200	0.0260	0.3460	0.0921	0.0249	0.1170		1,372.242 3	1,372.242 3	0.0862		1,374.396 2
Worker	0.6244	0.4197	5.6417	0.0159	1.5425	0.0117	1.5542	0.4091	0.0108	0.4199		1,579.296 1	1,579.296 1	0.0454		1,580.431 2
Total	0.7886	5.6665	6.8911	0.0287	1.8625	0.0377	1.9002	0.5012	0.0357	0.5369		2,951.538 4	2,951.538 4	0.1316		2,954.827 4

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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3945	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568	0.0000	1,717.890 9	1,717.890 9	0.2094		1,723.126 5
Total	46.0005	10.3603	11.4316	0.0181		0.6657	0.6657		0.6568	0.6568	0.0000	1,717.890 9	1,717.890 9	0.2094		1,723.126 5

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.5 Architectural Coating - 2020

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1642	5.2468	1.2494	0.0129	0.3200	0.0260	0.3460	0.0921	0.0249	0.1170		1,372.242 3	1,372.242 3	0.0862		1,374.396 2
Worker	0.6244	0.4197	5.6417	0.0159	1.5425	0.0117	1.5542	0.4091	0.0108	0.4199		1,579.296 1	1,579.296 1	0.0454		1,580.431 2
Total	0.7886	5.6665	6.8911	0.0287	1.8625	0.0377	1.9002	0.5012	0.0357	0.5369		2,951.538 4	2,951.538 4	0.1316		2,954.827 4

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.2613	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580		1,717.890 9	1,717.890 9	0.1970		1,722.817 0
Total	45.8673	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580		1,717.890 9	1,717.890 9	0.1970		1,722.817 0

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1391	4.7688	1.1316	0.0128	0.3200	9.6000e-003	0.3296	0.0921	9.1800e-003	0.1013		1,362.1923	1,362.1923	0.0824		1,364.2524
Worker	0.5825	0.3778	5.1988	0.0153	1.5425	0.0114	1.5539	0.4091	0.0105	0.4195		1,528.2166	1,528.2166	0.0411		1,529.2440
Total	0.7217	5.1466	6.3304	0.0281	1.8625	0.0210	1.8835	0.5012	0.0196	0.5209		2,890.4089	2,890.4089	0.1235		2,893.4963

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	lb/day										lb/day					
Archit. Coating	44.6060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.2613	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580	0.0000	1,717.8909	1,717.8909	0.1970		1,722.8170
Total	45.8673	9.4140	11.3497	0.0181		0.5656	0.5656		0.5580	0.5580	0.0000	1,717.8909	1,717.8909	0.1970		1,722.8170

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1391	4.7688	1.1316	0.0128	0.3200	9.6000e-003	0.3296	0.0921	9.1800e-003	0.1013		1,362.1923	1,362.1923	0.0824		1,364.2524
Worker	0.5825	0.3778	5.1988	0.0153	1.5425	0.0114	1.5539	0.4091	0.0105	0.4195		1,528.2166	1,528.2166	0.0411		1,529.2440
Total	0.7217	5.1466	6.3304	0.0281	1.8625	0.0210	1.8835	0.5012	0.0196	0.5209		2,890.4089	2,890.4089	0.1235		2,893.4963

3.6 Paving - 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	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.6 Paving - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0696	2.3844	0.5658	6.3800e-003	0.1600	4.8000e-003	0.1648	0.0461	4.5900e-003	0.0507		681.0962	681.0962	0.0412		682.1262
Worker	0.0549	0.0356	0.4897	1.4400e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		143.9624	143.9624	3.8700e-003		144.0592
Total	0.1244	2.4200	1.0556	7.8200e-003	0.3053	5.8700e-003	0.3112	0.0846	5.5800e-003	0.0902		825.0586	825.0586	0.0451		826.1854

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	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

3.6 Paving - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0696	2.3844	0.5658	6.3800e-003	0.1600	4.8000e-003	0.1648	0.0461	4.5900e-003	0.0507		681.0962	681.0962	0.0412		682.1262
Worker	0.0549	0.0356	0.4897	1.4400e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		143.9624	143.9624	3.8700e-003		144.0592
Total	0.1244	2.4200	1.0556	7.8200e-003	0.3053	5.8700e-003	0.3112	0.0846	5.5800e-003	0.0902		825.0586	825.0586	0.0451		826.1854

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2319	32.2982	86.8264	0.3328	27.4749	0.2520	27.7269	7.3512	0.2352	7.5864		33,873.47 78	33,873.47 78	1.5402		33,911.98 15
Unmitigated	6.2319	32.2982	86.8264	0.3328	27.4749	0.2520	27.7269	7.3512	0.2352	7.5864		33,873.47 78	33,873.47 78	1.5402		33,911.98 15

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	2,852.00	2,870.00	2107.00	10,577,827	10,577,827
Enclosed Parking with Elevator	0.00	0.00	0.00		
Quality Restaurant	453.00	475.28	363.44	1,468,519	1,468,519
Strip Mall	87.00	82.46	40.11	274,750	274,750
Total	3,392.00	3,427.74	2,510.55	12,321,095	12,321,095

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 High Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	100	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Enclosed Parking with Elevator	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Quality Restaurant	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Strip Mall	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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
	lb/day										lb/day					
NaturalGas Mitigated	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133
NaturalGas Unmitigated	0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
Apartments High Rise	17676.3	0.1906	1.6290	0.6932	0.0104		0.1317	0.1317		0.1317	0.1317		2,079.5675	2,079.5675	0.0399	0.0381	2,091.9253
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
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Strip Mall	31.4521	3.4000e-004	3.0800e-003	2.5900e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.7002	3.7002	7.0000e-005	7.0000e-005	3.7222
Total		0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
Apartments High Rise	17.6763	0.1906	1.6290	0.6932	0.0104		0.1317	0.1317		0.1317	0.1317		2,079.5675	2,079.5675	0.0399	0.0381	2,091.9253
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
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Strip Mall	0.0314521	3.4000e-004	3.0800e-003	2.5900e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.7002	3.7002	7.0000e-005	7.0000e-005	3.7222
Total		0.2455	2.1279	1.1123	0.0134		0.1696	0.1696		0.1696	0.1696		2,678.2975	2,678.2975	0.0513	0.0491	2,694.2133

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72
Unmitigated	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

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	lb/day										lb/day					
Architectural Coating	1.1732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3588	11.6118	4.9412	0.0741		0.9388	0.9388		0.9388	0.9388	0.0000	14,823.52 94	14,823.52 94	0.2841	0.2718	14,911.61 82
Landscaping	1.7566	0.6678	57.9245	3.0600e-003		0.3198	0.3198		0.3198	0.3198		104.2252	104.2252	0.1010		106.7490
Total	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
Architectural Coating	1.1732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3588	11.6118	4.9412	0.0741		0.9388	0.9388		0.9388	0.9388	0.0000	14,823.52 94	14,823.52 94	0.2841	0.2718	14,911.61 82
Landscaping	1.7566	0.6678	57.9245	3.0600e-003		0.3198	0.3198		0.3198	0.3198		104.2252	104.2252	0.1010		106.7490
Total	17.4697	12.2795	62.8657	0.0772		1.2587	1.2587		1.2587	1.2587	0.0000	14,927.75 46	14,927.75 46	0.3851	0.2718	15,018.36 72

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Olympic and Hill Proposed Project - South Coast AQMD Air District, Summer

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
