

Appendix J

*Air Quality and Greenhouse Gas Model Results for
Alternative 5*



West Village - Alternative 5 - Los Angeles-South Coast County, Winter

West Village - Alternative 5
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.60	Acre	3.60	156,816.00	0
City Park	0.36	Acre	0.36	15,681.60	0
Fast Food Restaurant w/o Drive Thru	1.17	1000sqft	0.24	1,170.00	0
High Turnover (Sit Down Restaurant)	2.19	1000sqft	0.44	2,190.00	0
Condo/Townhouse High Rise	146.00	Dwelling Unit	30.65	211,573.00	418
Strip Mall	2.50	1000sqft	0.51	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Source: PD and project site plans. Fast food restaurant used as a proxy for coffee shop, other asphalt surfaces = streets and alleyways; project site to be graded = approx 35.8 acres

Construction Phase - Applicant provided construction schedule

Grading -

Architectural Coating - SCAQMD Rule 1113 and CalGreen requirements

Vehicle Trips - Source: ATE 2018

Woodstoves - SCAQMD Rule 445

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	55.00	335.00
tblConstructionPhase	NumDays	740.00	652.00
tblConstructionPhase	NumDays	75.00	525.00
tblConstructionPhase	NumDays	55.00	652.00
tblConstructionPhase	PhaseEndDate	6/20/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	1/18/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	3/18/2021	12/8/2022
tblConstructionPhase	PhaseEndDate	4/4/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	4/5/2024	6/20/2023
tblConstructionPhase	PhaseStartDate	3/19/2021	4/1/2022
tblConstructionPhase	PhaseStartDate	1/19/2024	4/1/2022
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

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tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.10	131.40
tblFireplaces	NumberWood	7.30	0.00
tblLandUse	LandUseSquareFeet	146,000.00	211,573.00
tblLandUse	LotAcreage	0.03	0.24
tblLandUse	LotAcreage	0.05	0.44
tblLandUse	LotAcreage	2.28	30.65
tblLandUse	LotAcreage	0.06	0.51
tblVehicleTrips	WD_TR	1.89	5.00
tblVehicleTrips	WD_TR	4.18	5.81
tblVehicleTrips	WD_TR	716.00	818.58
tblVehicleTrips	WD_TR	44.32	42.70
tblWoodstoves	NumberCatalytic	7.30	0.00
tblWoodstoves	NumberNoncatalytic	7.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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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					
2020	4.5523	50.2700	32.7603	0.0642	8.8969	2.1758	11.0727	3.6558	2.0017	5.6575	0.0000	6,227.3494	6,227.3494	1.9494	0.0000	6,276.0843
2021	4.2865	46.4651	31.6150	0.0642	8.8969	1.9871	10.8840	3.6558	1.8282	5.4840	0.0000	6,221.4937	6,221.4937	1.9491	0.0000	6,270.2214
2022	7.5460	70.3608	68.4736	0.1453	11.3646	3.0387	14.4033	4.3168	2.8128	7.1296	0.0000	14,190.0950	14,190.0950	3.4064	0.0000	14,275.2536
2023	8.0495	29.6331	40.9039	0.0866	2.8702	1.3042	4.1744	0.7677	1.2204	1.9881	0.0000	8,502.0025	8,502.0025	1.4639	0.0000	8,538.5996
2024	7.8406	27.8752	40.3378	0.0859	2.8702	1.1659	4.0360	0.7677	1.0903	1.8580	0.0000	8,426.5560	8,426.5560	1.4534	0.0000	8,462.8916
Maximum	8.0495	70.3608	68.4736	0.1453	11.3646	3.0387	14.4033	4.3168	2.8128	7.1296	0.0000	14,190.0950	14,190.0950	3.4064	0.0000	14,275.2536

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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	lb/day										lb/day					
Area	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Energy	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
Mobile	2.7929	12.4562	31.9324	0.1243	11.3367	0.0981	11.4347	3.0332	0.0911	3.1243		12,697.2464	12,697.2464	0.6250		12,712.8702
Total	7.9806	13.2515	44.3442	0.1291	11.3367	0.2168	11.5534	3.0332	0.2098	3.2430	0.0000	13,539.1545	13,539.1545	0.6614	0.0150	13,560.1718

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	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Energy	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
Mobile	2.4952	10.8921	24.8776	0.0914	8.0942	0.0736	8.1678	2.1657	0.0684	2.2340		9,339.2815	9,339.2815	0.4826		9,351.3452
Total	7.6828	11.6873	37.2894	0.0961	8.0942	0.1924	8.2865	2.1657	0.1871	2.3528	0.0000	10,181.1896	10,181.1896	0.5190	0.0150	10,198.6469

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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	3.73	11.80	15.91	25.52	28.60	11.27	28.28	28.60	10.82	27.45	0.00	24.80	24.80	21.53	0.00	24.79

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	12/4/2020	12/8/2022	5	525	
2	Building Construction	Building Construction	4/1/2022	9/30/2024	5	652	
3	Paving	Paving	4/1/2022	9/30/2024	5	652	
4	Architectural Coating	Architectural Coating	6/20/2023	9/30/2024	5	335	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1312.5

Acres of Paving: 3.6

Residential Indoor: 428,435; Residential Outdoor: 142,812; Non-Residential Indoor: 8,790; Non-Residential Outdoor: 2,930; Striped Parking Area: 9,409 (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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	180.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Grading - 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					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

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	0.0000	0.0000	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	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

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3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	3.9030	2.1739	6.0769	1.6184	2.0000	3.6184	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

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	0.0000	0.0000	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	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

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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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	8.6733	1.9853	10.6587	3.5965	1.8265	5.4230		6,007.0434	6,007.0434	1.9428		6,055.6134

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	0.0000	0.0000	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	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	3.9030	1.9853	5.8883	1.6184	1.8265	3.4449	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

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	0.0000	0.0000	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	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080

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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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0000	0.0000	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	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

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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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.9030	1.6349	5.5379	1.6184	1.5041	3.1225	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0000	0.0000	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	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

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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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749		1,194.2397
Worker	0.8061	0.5302	6.1052	0.0187	2.0120	0.0158	2.0277	0.5336	0.0145	0.5481		1,862.2250	1,862.2250	0.0513		1,863.5069
Total	0.9409	4.6738	7.3011	0.0298	2.3001	0.0238	2.3239	0.6165	0.0222	0.6388		3,054.5913	3,054.5913	0.1262		3,057.7466

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749		1,194.2397
Worker	0.8061	0.5302	6.1052	0.0187	2.0120	0.0158	2.0277	0.5336	0.0145	0.5481		1,862.2250	1,862.2250	0.0513		1,863.5069
Total	0.9409	4.6738	7.3011	0.0298	2.3001	0.0238	2.3239	0.6165	0.0222	0.6388		3,054.5913	3,054.5913	0.1262		3,057.7466

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.7594	0.4795	5.6118	0.0180	2.0120	0.0153	2.0273	0.5336	0.0141	0.5477		1,794.0970	1,794.0970	0.0462		1,795.2513
Total	0.8596	3.6178	6.6745	0.0288	2.3001	0.0191	2.3192	0.6165	0.0178	0.6343		2,949.4329	2,949.4329	0.1121		2,952.2364

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.7594	0.4795	5.6118	0.0180	2.0120	0.0153	2.0273	0.5336	0.0141	0.5477		1,794.0970	1,794.0970	0.0462		1,795.2513
Total	0.8596	3.6178	6.6745	0.0288	2.3001	0.0191	2.3192	0.6165	0.0178	0.6343		2,949.4329	2,949.4329	0.1121		2,952.2364

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0977	3.1270	1.0305	0.0107	0.2881	3.7600e-003	0.2919	0.0830	3.6000e-003	0.0866		1,150.8551	1,150.8551	0.0650		1,152.4793
Worker	0.7207	0.4372	5.2244	0.0174	2.0120	0.0151	2.0271	0.5336	0.0139	0.5475		1,738.4468	1,738.4468	0.0423		1,739.5044
Total	0.8183	3.5642	6.2549	0.0282	2.3001	0.0188	2.3189	0.6166	0.0175	0.6340		2,889.3019	2,889.3019	0.1073		2,891.9837

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0977	3.1270	1.0305	0.0107	0.2881	3.7600e-003	0.2919	0.0830	3.6000e-003	0.0866		1,150.8551	1,150.8551	0.0650		1,152.4793
Worker	0.7207	0.4372	5.2244	0.0174	2.0120	0.0151	2.0271	0.5336	0.0139	0.5475		1,738.4468	1,738.4468	0.0423		1,739.5044
Total	0.8183	3.5642	6.2549	0.0282	2.3001	0.0188	2.3189	0.6166	0.0175	0.6340		2,889.3019	2,889.3019	0.1073		2,891.9837

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1173	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0000	0.0000	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	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1173	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0000	0.0000	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	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.4 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0472	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000	0.0000	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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.4 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0472	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000	0.0000	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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0026	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000	0.0000	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	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0026	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000	0.0000	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	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.3548	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000	0.0000	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	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503
Total	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.3548	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000	0.0000	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	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503
Total	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.3439	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000	0.0000	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	0.1441	0.0874	1.0449	3.4900e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		347.6894	347.6894	8.4600e-003		347.9009
Total	0.1441	0.0874	1.0449	3.4900e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		347.6894	347.6894	8.4600e-003		347.9009

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.3439	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000	0.0000	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	0.1441	0.0874	1.0449	3.4900e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		347.6894	347.6894	8.4600e-003		347.9009
Total	0.1441	0.0874	1.0449	3.4900e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		347.6894	347.6894	8.4600e-003		347.9009

4.0 Operational Detail - Mobile

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive 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	2.4952	10.8921	24.8776	0.0914	8.0942	0.0736	8.1678	2.1657	0.0684	2.2340		9,339.2815	9,339.2815	0.4826		9,351.3452
Unmitigated	2.7929	12.4562	31.9324	0.1243	11.3367	0.0981	11.4347	3.0332	0.0911	3.1243		12,697.2464	12,697.2464	0.6250		12,712.8702

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	1.80	8.19	6.03	9,544	6,814
Condo/Townhouse High Rise	848.26	629.26	500.78	2,622,098	1,872,130
Fast Food Restaurant w/o Drive Thru	957.74	814.32	585.00	1,600,966	1,143,060
High Turnover (Sit Down Restaurant)	278.46	346.83	288.73	394,803	281,882
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	106.75	105.10	51.08	187,521	133,887
Total	2,193.01	1,903.70	1,431.61	4,814,932	3,437,772

4.3 Trip Type Information

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Fast Food Restaurant w/o Drive Thru	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
High Turnover (Sit Down Restaurant)	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Other Asphalt Surfaces	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Strip Mall	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

West Village - Alternative 5 - Los Angeles-South Coast County, 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					
NaturalGas Mitigated	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
NaturalGas Unmitigated	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915

West Village - Alternative 5 - Los Angeles-South Coast County, 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					
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
Condo/Townhouse High Rise	4570.98	0.0493	0.4213	0.1793	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.7628	537.7628	0.0103	9.8600e-003	540.9585
Fast Food Restaurant w/o Drive Thru	831.245	8.9600e-003	0.0815	0.0685	4.9000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003		97.7935	97.7935	1.8700e-003	1.7900e-003	98.3747
High Turnover (Sit Down Restaurant)	1555.92	0.0168	0.1525	0.1281	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0494	183.0494	3.5100e-003	3.3600e-003	184.1372
Other 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
Strip Mall	13.6986	1.5000e-004	1.3400e-003	1.1300e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.6116	1.6116	3.0000e-005	3.0000e-005	1.6212
Total		0.0752	0.6566	0.3770	4.1100e-003		0.0519	0.0519		0.0519	0.0519		820.2174	820.2174	0.0157	0.0150	825.0915

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
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
Condo/Townhouse High Rise	4.57098	0.0493	0.4213	0.1793	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.7628	537.7628	0.0103	9.8600e-003	540.9585
Fast Food Restaurant w/o Drive Thru	0.831245	8.9600e-003	0.0815	0.0685	4.9000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003		97.7935	97.7935	1.8700e-003	1.7900e-003	98.3747
High Turnover (Sit Down Restaurant)	1.55592	0.0168	0.1525	0.1281	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0494	183.0494	3.5100e-003	3.3600e-003	184.1372
Other 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
Strip Mall	0.0136986	1.5000e-004	1.3400e-003	1.1300e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.6116	1.6116	3.0000e-005	3.0000e-005	1.6212
Total		0.0752	0.6566	0.3770	4.1100e-003		0.0519	0.0519		0.0519	0.0519		820.2174	820.2174	0.0157	0.0150	825.0915

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

West Village - Alternative 5 - Los Angeles-South Coast County, 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	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Unmitigated	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

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	0.3895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3615					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	0.3614	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668		21.6908	21.6908	0.0208		22.2102
Total	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

West Village - Alternative 5 - Los Angeles-South Coast County, 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	0.3895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3615					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	0.3614	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668		21.6908	21.6908	0.0208		22.2102
Total	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

West Village - Alternative 5 - Los Angeles-South Coast County, Winter

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

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

West Village - Alternative 5
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.60	Acre	3.60	156,816.00	0
City Park	0.36	Acre	0.36	15,681.60	0
Fast Food Restaurant w/o Drive Thru	1.17	1000sqft	0.24	1,170.00	0
High Turnover (Sit Down Restaurant)	2.19	1000sqft	0.44	2,190.00	0
Condo/Townhouse High Rise	146.00	Dwelling Unit	30.65	211,573.00	418
Strip Mall	2.50	1000sqft	0.51	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Source: PD and project site plans. Fast food restaurant used as a proxy for coffee shop, other asphalt surfaces = streets and alleyways; project site to be graded = approx 35.8 acres

Construction Phase - Applicant provided construction schedule

Grading -

Architectural Coating - SCAQMD Rule 1113 and CalGreen requirements

Vehicle Trips - Source: ATE 2018

Woodstoves - SCAQMD Rule 445

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	55.00	335.00
tblConstructionPhase	NumDays	740.00	652.00
tblConstructionPhase	NumDays	75.00	525.00
tblConstructionPhase	NumDays	55.00	652.00
tblConstructionPhase	PhaseEndDate	6/20/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	1/18/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	3/18/2021	12/8/2022
tblConstructionPhase	PhaseEndDate	4/4/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	4/5/2024	6/20/2023
tblConstructionPhase	PhaseStartDate	3/19/2021	4/1/2022
tblConstructionPhase	PhaseStartDate	1/19/2024	4/1/2022
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.10	131.40
tblFireplaces	NumberWood	7.30	0.00
tblLandUse	LandUseSquareFeet	146,000.00	211,573.00
tblLandUse	LotAcreage	0.03	0.24
tblLandUse	LotAcreage	0.05	0.44
tblLandUse	LotAcreage	2.28	30.65
tblLandUse	LotAcreage	0.06	0.51
tblVehicleTrips	WD_TR	1.89	5.00
tblVehicleTrips	WD_TR	4.18	5.81
tblVehicleTrips	WD_TR	716.00	818.58
tblVehicleTrips	WD_TR	44.32	42.70
tblWoodstoves	NumberCatalytic	7.30	0.00
tblWoodstoves	NumberNoncatalytic	7.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

West Village - Alternative 5 - Los Angeles-South Coast County, 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					
2020	4.5421	50.2630	32.8340	0.0644	8.8969	2.1758	11.0727	3.6558	2.0017	5.6575	0.0000	6,241.0878	6,241.0878	1.9498	0.0000	6,289.8337
2021	4.2769	46.4588	31.6840	0.0643	8.8969	1.9871	10.8840	3.6558	1.8282	5.4840	0.0000	6,234.7974	6,234.7974	1.9495	0.0000	6,283.5352
2022	7.4400	70.3111	69.0555	0.1470	11.3646	3.0384	14.4031	4.3168	2.8125	7.1293	0.0000	14,361.8224	14,361.8224	3.4057	0.0000	14,446.9655
2023	7.9410	29.5883	41.5204	0.0883	2.8702	1.3040	4.1742	0.7677	1.2202	1.9879	0.0000	8,676.9189	8,676.9189	1.4642	0.0000	8,713.5234
2024	7.7350	27.8349	40.9184	0.0875	2.8702	1.1657	4.0359	0.7677	1.0901	1.8578	0.0000	8,596.7749	8,596.7749	1.4536	0.0000	8,633.1143
Maximum	7.9410	70.3111	69.0555	0.1470	11.3646	3.0384	14.4031	4.3168	2.8125	7.1293	0.0000	14,361.8224	14,361.8224	3.4057	0.0000	14,446.9655

West Village - Alternative 5 - Los Angeles-South Coast County, 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	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Energy	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
Mobile	2.8885	12.2703	33.2669	0.1307	11.3367	0.0976	11.4342	3.0332	0.0906	3.1238		13,343.7074	13,343.7074	0.6221		13,359.2588
Total	8.0762	13.0656	45.6787	0.1355	11.3367	0.2163	11.5530	3.0332	0.2094	3.2426	0.0000	14,185.6156	14,185.6156	0.6586	0.0150	14,206.5605

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	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Energy	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
Mobile	2.5842	10.7973	25.4905	0.0962	8.0942	0.0731	8.1673	2.1657	0.0679	2.2336		9,829.9355	9,829.9355	0.4763		9,841.8439
Total	7.7719	11.5925	37.9023	0.1009	8.0942	0.1919	8.2860	2.1657	0.1866	2.3523	0.0000	10,671.8436	10,671.8436	0.5128	0.0150	10,689.1456

West Village - Alternative 5 - Los Angeles-South Coast County, 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	3.77	11.27	17.02	25.48	28.60	11.30	28.28	28.60	10.85	27.46	0.00	24.77	24.77	22.13	0.00	24.76

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	12/4/2020	12/8/2022	5	525	
2	Building Construction	Building Construction	4/1/2022	9/30/2024	5	652	
3	Paving	Paving	4/1/2022	9/30/2024	5	652	
4	Architectural Coating	Architectural Coating	6/20/2023	9/30/2024	5	335	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1312.5

Acres of Paving: 3.6

Residential Indoor: 428,435; Residential Outdoor: 142,812; Non-Residential Indoor: 8,790; Non-Residential Outdoor: 2,930; Striped Parking Area: 9,409 (Architectural Coating – sqft)

OffRoad Equipment

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	180.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.2 Grading - 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					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

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	0.0000	0.0000	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	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	3.9030	2.1739	6.0769	1.6184	2.0000	3.6184	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

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	0.0000	0.0000	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	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	8.6733	1.9853	10.6587	3.5965	1.8265	5.4230		6,007.0434	6,007.0434	1.9428		6,055.6134

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	0.0000	0.0000	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	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	3.9030	1.9853	5.8883	1.6184	1.8265	3.4449	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

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	0.0000	0.0000	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	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0000	0.0000	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	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.9030	1.6349	5.5379	1.6184	1.5041	3.1225	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0000	0.0000	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	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704		1,227.9457
Worker	0.7227	0.4791	6.6889	0.0199	2.0120	0.0158	2.0277	0.5336	0.0145	0.5481		1,977.6822	1,977.6822	0.0546		1,979.0468
Total	0.8511	4.6339	7.7695	0.0313	2.3001	0.0236	2.3236	0.6165	0.0220	0.6385		3,203.8687	3,203.8687	0.1250		3,206.9924

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704		1,227.9457
Worker	0.7227	0.4791	6.6889	0.0199	2.0120	0.0158	2.0277	0.5336	0.0145	0.5481		1,977.6822	1,977.6822	0.0546		1,979.0468
Total	0.8511	4.6339	7.7695	0.0313	2.3001	0.0236	2.3236	0.6165	0.0220	0.6385		3,203.8687	3,203.8687	0.1250		3,206.9924

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.6787	0.4334	6.1598	0.0191	2.0120	0.0153	2.0273	0.5336	0.0141	0.5477		1,905.2676	1,905.2676	0.0492		1,906.4980
Total	0.7740	3.5860	7.1358	0.0302	2.3001	0.0189	2.3190	0.6165	0.0176	0.6341		3,092.8510	3,092.8510	0.1116		3,095.6403

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.6787	0.4334	6.1598	0.0191	2.0120	0.0153	2.0273	0.5336	0.0141	0.5477		1,905.2676	1,905.2676	0.0492		1,906.4980
Total	0.7740	3.5860	7.1358	0.0302	2.3001	0.0189	2.3190	0.6165	0.0176	0.6341		3,092.8510	3,092.8510	0.1116		3,095.6403

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0930	3.1405	0.9463	0.0110	0.2881	3.6000e-003	0.2917	0.0830	3.4400e-003	0.0864		1,182.7639	1,182.7639	0.0615		1,184.3006
Worker	0.6420	0.3953	5.7424	0.0185	2.0120	0.0151	2.0271	0.5336	0.0139	0.5475		1,846.2209	1,846.2209	0.0452		1,847.3497
Total	0.7350	3.5358	6.6886	0.0296	2.3001	0.0187	2.3188	0.6166	0.0173	0.6339		3,028.9848	3,028.9848	0.1066		3,031.6503

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0930	3.1405	0.9463	0.0110	0.2881	3.6000e-003	0.2917	0.0830	3.4400e-003	0.0864		1,182.7639	1,182.7639	0.0615		1,184.3006
Worker	0.6420	0.3953	5.7424	0.0185	2.0120	0.0151	2.0271	0.5336	0.0139	0.5475		1,846.2209	1,846.2209	0.0452		1,847.3497
Total	0.7350	3.5358	6.6886	0.0296	2.3001	0.0187	2.3188	0.6166	0.0173	0.6339		3,028.9848	3,028.9848	0.1066		3,031.6503

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1173	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

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	0.0000	0.0000	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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1173	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0000	0.0000	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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0472	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000	0.0000	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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0472	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000	0.0000	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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0026	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000	0.0000	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	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0026	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000	0.0000	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	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.3548	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000	0.0000	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	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996
Total	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.3548	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000	0.0000	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	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996
Total	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.3439	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000	0.0000	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	0.1284	0.0791	1.1485	3.7000e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		369.2442	369.2442	9.0300e-003		369.4699
Total	0.1284	0.0791	1.1485	3.7000e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		369.2442	369.2442	9.0300e-003		369.4699

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	4.1631					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.3439	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000	0.0000	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	0.1284	0.0791	1.1485	3.7000e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		369.2442	369.2442	9.0300e-003		369.4699
Total	0.1284	0.0791	1.1485	3.7000e-003	0.4024	3.0200e-003	0.4054	0.1067	2.7800e-003	0.1095		369.2442	369.2442	9.0300e-003		369.4699

4.0 Operational Detail - Mobile

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive 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	2.5842	10.7973	25.4905	0.0962	8.0942	0.0731	8.1673	2.1657	0.0679	2.2336		9,829.9355	9,829.9355	0.4763		9,841.8439
Unmitigated	2.8885	12.2703	33.2669	0.1307	11.3367	0.0976	11.4342	3.0332	0.0906	3.1238		13,343.7074	13,343.7074	0.6221		13,359.2588

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	1.80	8.19	6.03	9,544	6,814
Condo/Townhouse High Rise	848.26	629.26	500.78	2,622,098	1,872,130
Fast Food Restaurant w/o Drive Thru	957.74	814.32	585.00	1,600,966	1,143,060
High Turnover (Sit Down Restaurant)	278.46	346.83	288.73	394,803	281,882
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	106.75	105.10	51.08	187,521	133,887
Total	2,193.01	1,903.70	1,431.61	4,814,932	3,437,772

4.3 Trip Type Information

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Fast Food Restaurant w/o Drive Thru	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
High Turnover (Sit Down Restaurant)	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Other Asphalt Surfaces	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Strip Mall	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

West Village - Alternative 5 - Los Angeles-South Coast County, 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					
NaturalGas Mitigated	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915
NaturalGas Unmitigated	0.0752	0.6566	0.3770	4.1000e-003		0.0520	0.0520		0.0520	0.0520		820.2174	820.2174	0.0157	0.0150	825.0915

West Village - Alternative 5 - Los Angeles-South Coast County, 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					
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
Condo/Townhouse High Rise	4570.98	0.0493	0.4213	0.1793	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.7628	537.7628	0.0103	9.8600e-003	540.9585
Fast Food Restaurant w/o Drive Thru	831.245	8.9600e-003	0.0815	0.0685	4.9000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003		97.7935	97.7935	1.8700e-003	1.7900e-003	98.3747
High Turnover (Sit Down Restaurant)	1555.92	0.0168	0.1525	0.1281	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0494	183.0494	3.5100e-003	3.3600e-003	184.1372
Other 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
Strip Mall	13.6986	1.5000e-004	1.3400e-003	1.1300e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.6116	1.6116	3.0000e-005	3.0000e-005	1.6212
Total		0.0752	0.6566	0.3770	4.1100e-003		0.0519	0.0519		0.0519	0.0519		820.2174	820.2174	0.0157	0.0150	825.0915

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
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
Condo/Townhouse High Rise	4.57098	0.0493	0.4213	0.1793	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.7628	537.7628	0.0103	9.8600e-003	540.9585
Fast Food Restaurant w/o Drive Thru	0.831245	8.9600e-003	0.0815	0.0685	4.9000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003		97.7935	97.7935	1.8700e-003	1.7900e-003	98.3747
High Turnover (Sit Down Restaurant)	1.55592	0.0168	0.1525	0.1281	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0494	183.0494	3.5100e-003	3.3600e-003	184.1372
Other 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
Strip Mall	0.0136986	1.5000e-004	1.3400e-003	1.1300e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		1.6116	1.6116	3.0000e-005	3.0000e-005	1.6212
Total		0.0752	0.6566	0.3770	4.1100e-003		0.0519	0.0519		0.0519	0.0519		820.2174	820.2174	0.0157	0.0150	825.0915

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

West Village - Alternative 5 - Los Angeles-South Coast County, 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	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102
Unmitigated	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

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	0.3895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3615					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	0.3614	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668		21.6908	21.6908	0.0208		22.2102
Total	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

West Village - Alternative 5 - Los Angeles-South Coast County, 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	0.3895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3615					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	0.3614	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668		21.6908	21.6908	0.0208		22.2102
Total	5.1125	0.1386	12.0348	6.4000e-004		0.0668	0.0668		0.0668	0.0668	0.0000	21.6908	21.6908	0.0208	0.0000	22.2102

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

West Village - Alternative 5 - Los Angeles-South Coast County, Summer

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

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

West Village - Alternative 5
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.60	Acre	3.60	156,816.00	0
City Park	0.36	Acre	0.36	15,681.60	0
Fast Food Restaurant w/o Drive Thru	1.17	1000sqft	0.24	1,170.00	0
High Turnover (Sit Down Restaurant)	2.19	1000sqft	0.44	2,190.00	0
Condo/Townhouse High Rise	146.00	Dwelling Unit	30.65	211,573.00	418
Strip Mall	2.50	1000sqft	0.51	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Source: PD and project site plans. Fast food restaurant used as a proxy for coffee shop, other asphalt surfaces = streets and alleyways; project site to be graded = approx 35.8 acres

Construction Phase - Applicant provided construction schedule

Grading -

Architectural Coating - SCAQMD Rule 1113 and CalGreen requirements

Vehicle Trips - Source: ATE 2018

Woodstoves - SCAQMD Rule 445

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	55.00	335.00
tblConstructionPhase	NumDays	740.00	652.00
tblConstructionPhase	NumDays	75.00	525.00
tblConstructionPhase	NumDays	55.00	652.00
tblConstructionPhase	PhaseEndDate	6/20/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	1/18/2024	9/30/2024
tblConstructionPhase	PhaseEndDate	3/18/2021	12/8/2022
tblConstructionPhase	PhaseEndDate	4/4/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	4/5/2024	6/20/2023
tblConstructionPhase	PhaseStartDate	3/19/2021	4/1/2022
tblConstructionPhase	PhaseStartDate	1/19/2024	4/1/2022
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.10	131.40
tblFireplaces	NumberWood	7.30	0.00
tblLandUse	LandUseSquareFeet	146,000.00	211,573.00
tblLandUse	LotAcreage	0.03	0.24
tblLandUse	LotAcreage	0.05	0.44
tblLandUse	LotAcreage	2.28	30.65
tblLandUse	LotAcreage	0.06	0.51
tblVehicleTrips	WD_TR	1.89	5.00
tblVehicleTrips	WD_TR	4.18	5.81
tblVehicleTrips	WD_TR	716.00	818.58
tblVehicleTrips	WD_TR	44.32	42.70
tblWoodstoves	NumberCatalytic	7.30	0.00
tblWoodstoves	NumberNoncatalytic	7.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

West Village - Alternative 5 - Los Angeles-South Coast 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	0.0454	0.5027	0.3278	6.4000e-004	0.7584	0.0218	0.7801	0.1088	0.0200	0.1289	0.0000	56.5270	56.5270	0.0177	0.0000	56.9691
2021	0.5582	6.0639	4.1283	8.3800e-003	1.5104	0.2593	1.7698	0.5147	0.2386	0.7533	0.0000	736.9702	736.9702	0.2308	0.0000	742.7393
2022	0.8187	7.8382	7.4381	0.0158	1.6946	0.3371	2.0316	0.5497	0.3118	0.8615	0.0000	1,402.0535	1,402.0535	0.3452	0.0000	1,410.6825
2023	0.7616	3.7762	5.1588	0.0109	0.3421	0.1651	0.5071	0.0917	0.1542	0.2459	0.0000	973.9264	973.9264	0.1711	0.0000	978.2035
2024	0.7588	2.7381	3.9676	8.4700e-003	0.2759	0.1142	0.3901	0.0739	0.1068	0.1807	0.0000	754.1003	754.1003	0.1291	0.0000	757.3285
Maximum	0.8187	7.8382	7.4381	0.0158	1.6946	0.3371	2.0316	0.5497	0.3118	0.8615	0.0000	1,402.0535	1,402.0535	0.3452	0.0000	1,410.6825

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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					
2020	0.0454	0.5027	0.3278	6.4000e-004	0.3425	0.0218	0.3642	0.0493	0.0200	0.0693	0.0000	56.5269	56.5269	0.0177	0.0000	56.9691
2021	0.5582	6.0639	4.1283	8.3800e-003	0.6954	0.2593	0.9548	0.2358	0.2386	0.4744	0.0000	736.9694	736.9694	0.2308	0.0000	742.7385
2022	0.8187	7.8382	7.4381	0.0158	0.9077	0.3371	1.2448	0.2863	0.3118	0.5981	0.0000	1,402.0522	1,402.0522	0.3452	0.0000	1,410.6812
2023	0.7616	3.7761	5.1588	0.0109	0.3421	0.1651	0.5071	0.0917	0.1542	0.2459	0.0000	973.9257	973.9257	0.1711	0.0000	978.2028
2024	0.7588	2.7381	3.9676	8.4700e-003	0.2759	0.1142	0.3901	0.0739	0.1068	0.1807	0.0000	754.0998	754.0998	0.1291	0.0000	757.3279
Maximum	0.8187	7.8382	7.4381	0.0158	0.9077	0.3371	1.2448	0.2863	0.3118	0.5981	0.0000	1,402.0522	1,402.0522	0.3452	0.0000	1,410.6812

	ROG	NOx	CO	SO2	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	44.04	0.00	36.83	44.96	0.00	27.73	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	12-4-2020	3-3-2021	1.6720	1.6720
2	3-4-2021	6-3-2021	1.6672	1.6672
3	6-4-2021	9-3-2021	1.6670	1.6670
4	9-4-2021	12-3-2021	1.6493	1.6493
5	12-4-2021	3-3-2022	1.4512	1.4512
6	3-4-2022	6-3-2022	2.2033	2.2033

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7	6-4-2022	9-3-2022	2.5547	2.5547
8	9-4-2022	12-3-2022	2.5305	2.5305
9	12-4-2022	3-3-2023	1.1326	1.1326
10	3-4-2023	6-3-2023	1.0412	1.0412
11	6-4-2023	9-3-2023	1.1995	1.1995
12	9-4-2023	12-3-2023	1.2232	1.2232
13	12-4-2023	3-3-2024	1.1804	1.1804
14	3-4-2024	6-3-2024	1.1702	1.1702
15	6-4-2024	9-3-2024	1.1687	1.1687
16	9-4-2024	9-30-2024	0.3430	0.3430
		Highest	2.5547	2.5547

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	0.9122	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186
Energy	0.0137	0.1198	0.0688	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	380.9680	380.9680	0.0127	4.5800e-003	382.6521
Mobile	0.4457	2.0774	5.3046	0.0207	1.8271	0.0160	1.8431	0.4896	0.0149	0.5045	0.0000	1,920.8856	1,920.8856	0.0925	0.0000	1,923.1975
Waste						0.0000	0.0000		0.0000	0.0000	22.1991	0.0000	22.1991	1.3119	0.0000	54.9973
Water						0.0000	0.0000		0.0000	0.0000	3.4002	67.8439	71.2441	0.3520	8.8300e-003	82.6749
Total	1.3717	2.2146	6.8777	0.0216	1.8271	0.0339	1.8609	0.4896	0.0327	0.5224	25.5993	2,372.1572	2,397.7564	1.7715	0.0134	2,446.0404

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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	0.9122	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186
Energy	0.0137	0.1198	0.0688	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	380.9680	380.9680	0.0127	4.5800e-003	382.6521
Mobile	0.3964	1.8149	4.1144	0.0153	1.3045	0.0120	1.3165	0.3496	0.0112	0.3608	0.0000	1,414.6416	1,414.6416	0.0712	0.0000	1,416.4203
Waste						0.0000	0.0000		0.0000	0.0000	22.1991	0.0000	22.1991	1.3119	0.0000	54.9973
Water						0.0000	0.0000		0.0000	0.0000	3.4002	67.8439	71.2441	0.3520	8.8300e-003	82.6749
Total	1.3224	1.9521	5.6875	0.0161	1.3045	0.0299	1.3343	0.3496	0.0290	0.3786	25.5993	1,865.9132	1,891.5125	1.7502	0.0134	1,939.2632

	ROG	NOx	CO	SO2	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	3.59	11.85	17.31	25.37	28.60	11.84	28.30	28.60	11.40	27.52	0.00	21.34	21.11	1.20	0.00	20.72

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	12/4/2020	12/8/2022	5	525	
2	Building Construction	Building Construction	4/1/2022	9/30/2024	5	652	
3	Paving	Paving	4/1/2022	9/30/2024	5	652	
4	Architectural Coating	Architectural Coating	6/20/2023	9/30/2024	5	335	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1312.5

Acres of Paving: 3.6

Residential Indoor: 428,435; Residential Outdoor: 142,812; Non-Residential Indoor: 8,790; Non-Residential Outdoor: 2,930; Striped Parking Area: 9,409 (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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	180.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Grading - 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					
Fugitive Dust					0.7562	0.0000	0.7562	0.1083	0.0000	0.1083	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0445	0.5020	0.3196	6.2000e-004		0.0217	0.0217		0.0200	0.0200	0.0000	54.4843	54.4843	0.0176	0.0000	54.9248
Total	0.0445	0.5020	0.3196	6.2000e-004	0.7562	0.0217	0.7779	0.1083	0.0200	0.1283	0.0000	54.4843	54.4843	0.0176	0.0000	54.9248

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	9.2000e-004	7.4000e-004	8.2300e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0427	2.0427	6.0000e-005	0.0000	2.0443
Total	9.2000e-004	7.4000e-004	8.2300e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0427	2.0427	6.0000e-005	0.0000	2.0443

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3.2 Grading - 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					
Fugitive Dust					0.3403	0.0000	0.3403	0.0487	0.0000	0.0487	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0445	0.5020	0.3196	6.2000e-004		0.0217	0.0217		0.0200	0.0200	0.0000	54.4842	54.4842	0.0176	0.0000	54.9248
Total	0.0445	0.5020	0.3196	6.2000e-004	0.3403	0.0217	0.3620	0.0487	0.0200	0.0687	0.0000	54.4842	54.4842	0.0176	0.0000	54.9248

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	9.2000e-004	7.4000e-004	8.2300e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0427	2.0427	6.0000e-005	0.0000	2.0443
Total	9.2000e-004	7.4000e-004	8.2300e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0427	2.0427	6.0000e-005	0.0000	2.0443

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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					1.4818	0.0000	1.4818	0.5071	0.0000	0.5071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	0.5470	6.0552	4.0296	8.0900e-003	1.4818	0.2591	1.7409	0.5071	0.2384	0.7455	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096

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	0.0112	8.7400e-003	0.0987	2.9000e-004	0.0286	2.4000e-004	0.0288	7.6000e-003	2.2000e-004	7.8100e-003	0.0000	25.8107	25.8107	7.6000e-004	0.0000	25.8297
Total	0.0112	8.7400e-003	0.0987	2.9000e-004	0.0286	2.4000e-004	0.0288	7.6000e-003	2.2000e-004	7.8100e-003	0.0000	25.8107	25.8107	7.6000e-004	0.0000	25.8297

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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					0.6668	0.0000	0.6668	0.2282	0.0000	0.2282	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	0.5470	6.0552	4.0296	8.0900e-003	0.6668	0.2591	0.9259	0.2282	0.2384	0.4666	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087

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	0.0112	8.7400e-003	0.0987	2.9000e-004	0.0286	2.4000e-004	0.0288	7.6000e-003	2.2000e-004	7.8100e-003	0.0000	25.8107	25.8107	7.6000e-004	0.0000	25.8297
Total	0.0112	8.7400e-003	0.0987	2.9000e-004	0.0286	2.4000e-004	0.0288	7.6000e-003	2.2000e-004	7.8100e-003	0.0000	25.8107	25.8107	7.6000e-004	0.0000	25.8297

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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					1.4307	0.0000	1.4307	0.4790	0.0000	0.4790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4422	4.7389	3.5431	7.5700e-003		0.1995	0.1995		0.1835	0.1835	0.0000	665.3221	665.3221	0.2152	0.0000	670.7016
Total	0.4422	4.7389	3.5431	7.5700e-003	1.4307	0.1995	1.6301	0.4790	0.1835	0.6625	0.0000	665.3221	665.3221	0.2152	0.0000	670.7016

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	9.8500e-003	7.3800e-003	0.0850	2.6000e-004	0.0267	2.1000e-004	0.0270	7.1000e-003	2.0000e-004	7.3000e-003	0.0000	23.2814	23.2814	6.4000e-004	0.0000	23.2974
Total	9.8500e-003	7.3800e-003	0.0850	2.6000e-004	0.0267	2.1000e-004	0.0270	7.1000e-003	2.0000e-004	7.3000e-003	0.0000	23.2814	23.2814	6.4000e-004	0.0000	23.2974

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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					0.6438	0.0000	0.6438	0.2156	0.0000	0.2156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4422	4.7389	3.5431	7.5700e-003		0.1995	0.1995		0.1835	0.1835	0.0000	665.3213	665.3213	0.2152	0.0000	670.7008
Total	0.4422	4.7389	3.5431	7.5700e-003	0.6438	0.1995	0.8433	0.2156	0.1835	0.3991	0.0000	665.3213	665.3213	0.2152	0.0000	670.7008

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	9.8500e-003	7.3800e-003	0.0850	2.6000e-004	0.0267	2.1000e-004	0.0270	7.1000e-003	2.0000e-004	7.3000e-003	0.0000	23.2814	23.2814	6.4000e-004	0.0000	23.2974
Total	9.8500e-003	7.3800e-003	0.0850	2.6000e-004	0.0267	2.1000e-004	0.0270	7.1000e-003	2.0000e-004	7.3000e-003	0.0000	23.2814	23.2814	6.4000e-004	0.0000	23.2974

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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	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0907	227.0907	0.0544	0.0000	228.4509
Total	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0907	227.0907	0.0544	0.0000	228.4509

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	0.0129	0.4135	0.1117	1.1100e-003	0.0278	7.8000e-004	0.0286	8.0200e-003	7.4000e-004	8.7600e-003	0.0000	107.7502	107.7502	6.4400e-003	0.0000	107.9111
Worker	0.0712	0.0534	0.6146	1.8600e-003	0.1933	1.5400e-003	0.1948	0.0513	1.4200e-003	0.0528	0.0000	168.3129	168.3129	4.6400e-003	0.0000	168.4288
Total	0.0840	0.4669	0.7263	2.9700e-003	0.2211	2.3200e-003	0.2234	0.0594	2.1600e-003	0.0615	0.0000	276.0631	276.0631	0.0111	0.0000	276.3399

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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	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0905	227.0905	0.0544	0.0000	228.4506
Total	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0905	227.0905	0.0544	0.0000	228.4506

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	0.0129	0.4135	0.1117	1.1100e-003	0.0278	7.8000e-004	0.0286	8.0200e-003	7.4000e-004	8.7600e-003	0.0000	107.7502	107.7502	6.4400e-003	0.0000	107.9111
Worker	0.0712	0.0534	0.6146	1.8600e-003	0.1933	1.5400e-003	0.1948	0.0513	1.4200e-003	0.0528	0.0000	168.3129	168.3129	4.6400e-003	0.0000	168.4288
Total	0.0840	0.4669	0.7263	2.9700e-003	0.2211	2.3200e-003	0.2234	0.0594	2.1600e-003	0.0615	0.0000	276.0631	276.0631	0.0111	0.0000	276.3399

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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	0.2045	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	0.0127	0.4144	0.1329	1.4200e-003	0.0369	4.8000e-004	0.0373	0.0106	4.6000e-004	0.0111	0.0000	138.4592	138.4592	7.5400e-003	0.0000	138.6478
Worker	0.0888	0.0640	0.7497	2.3800e-003	0.2564	1.9900e-003	0.2584	0.0681	1.8300e-003	0.0699	0.0000	215.1020	215.1020	5.5400e-003	0.0000	215.2405
Total	0.1014	0.4785	0.8826	3.8000e-003	0.2933	2.4700e-003	0.2957	0.0787	2.2900e-003	0.0810	0.0000	353.5613	353.5613	0.0131	0.0000	353.8883

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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	0.2045	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	0.0127	0.4144	0.1329	1.4200e-003	0.0369	4.8000e-004	0.0373	0.0106	4.6000e-004	0.0111	0.0000	138.4592	138.4592	7.5400e-003	0.0000	138.6478
Worker	0.0888	0.0640	0.7497	2.3800e-003	0.2564	1.9900e-003	0.2584	0.0681	1.8300e-003	0.0699	0.0000	215.1020	215.1020	5.5400e-003	0.0000	215.2405
Total	0.1014	0.4785	0.8826	3.8000e-003	0.2933	2.4700e-003	0.2957	0.0787	2.2900e-003	0.0810	0.0000	353.5613	353.5613	0.0131	0.0000	353.8883

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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	0.1442	1.3175	1.5844	2.6400e-003		0.0601	0.0601		0.0565	0.0565	0.0000	227.2121	227.2121	0.0537	0.0000	228.5554
Total	0.1442	1.3175	1.5844	2.6400e-003		0.0601	0.0601		0.0565	0.0565	0.0000	227.2121	227.2121	0.0537	0.0000	228.5554

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	9.3100e-003	0.3112	0.0971	1.0700e-003	0.0278	3.6000e-004	0.0281	8.0200e-003	3.4000e-004	8.3600e-003	0.0000	103.9611	103.9611	5.6000e-003	0.0000	104.1012
Worker	0.0634	0.0440	0.5263	1.7400e-003	0.1933	1.4800e-003	0.1948	0.0513	1.3600e-003	0.0527	0.0000	157.1261	157.1261	3.8300e-003	0.0000	157.2218
Total	0.0727	0.3553	0.6234	2.8100e-003	0.2211	1.8400e-003	0.2229	0.0594	1.7000e-003	0.0611	0.0000	261.0872	261.0872	9.4300e-003	0.0000	261.3230

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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	0.1442	1.3175	1.5844	2.6400e-003		0.0601	0.0601		0.0565	0.0565	0.0000	227.2119	227.2119	0.0537	0.0000	228.5551
Total	0.1442	1.3175	1.5844	2.6400e-003		0.0601	0.0601		0.0565	0.0565	0.0000	227.2119	227.2119	0.0537	0.0000	228.5551

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	9.3100e-003	0.3112	0.0971	1.0700e-003	0.0278	3.6000e-004	0.0281	8.0200e-003	3.4000e-004	8.3600e-003	0.0000	103.9611	103.9611	5.6000e-003	0.0000	104.1012
Worker	0.0634	0.0440	0.5263	1.7400e-003	0.1933	1.4800e-003	0.1948	0.0513	1.3600e-003	0.0527	0.0000	157.1261	157.1261	3.8300e-003	0.0000	157.2218
Total	0.0727	0.3553	0.6234	2.8100e-003	0.2211	1.8400e-003	0.2229	0.0594	1.7000e-003	0.0611	0.0000	261.0872	261.0872	9.4300e-003	0.0000	261.3230

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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	0.1081	1.0902	1.4289	2.2300e-003		0.0557	0.0557		0.0512	0.0512	0.0000	196.2701	196.2701	0.0635	0.0000	197.8570
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1095	1.0902	1.4289	2.2300e-003		0.0557	0.0557		0.0512	0.0512	0.0000	196.2701	196.2701	0.0635	0.0000	197.8570

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	5.9300e-003	4.4500e-003	0.0512	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.0261	14.0261	3.9000e-004	0.0000	14.0357
Total	5.9300e-003	4.4500e-003	0.0512	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.0261	14.0261	3.9000e-004	0.0000	14.0357

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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	0.1081	1.0902	1.4289	2.2300e-003		0.0557	0.0557		0.0512	0.0512	0.0000	196.2698	196.2698	0.0635	0.0000	197.8568
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1095	1.0902	1.4289	2.2300e-003		0.0557	0.0557		0.0512	0.0512	0.0000	196.2698	196.2698	0.0635	0.0000	197.8568

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	5.9300e-003	4.4500e-003	0.0512	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.0261	14.0261	3.9000e-004	0.0000	14.0357
Total	5.9300e-003	4.4500e-003	0.0512	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.0261	14.0261	3.9000e-004	0.0000	14.0357

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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	0.1343	1.3249	1.8960	2.9600e-003		0.0663	0.0663		0.0610	0.0610	0.0000	260.3493	260.3493	0.0842	0.0000	262.4543
Paving	1.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1361	1.3249	1.8960	2.9600e-003		0.0663	0.0663		0.0610	0.0610	0.0000	260.3493	260.3493	0.0842	0.0000	262.4543

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	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367
Total	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367

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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	0.1343	1.3249	1.8960	2.9600e-003		0.0663	0.0663		0.0610	0.0610	0.0000	260.3490	260.3490	0.0842	0.0000	262.4540
Paving	1.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1361	1.3249	1.8960	2.9600e-003		0.0663	0.0663		0.0610	0.0610	0.0000	260.3490	260.3490	0.0842	0.0000	262.4540

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	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367
Total	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367

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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	0.0968	0.9334	1.4333	2.2300e-003		0.0459	0.0459		0.0422	0.0422	0.0000	196.2600	196.2600	0.0635	0.0000	197.8469
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0983	0.9334	1.4333	2.2300e-003		0.0459	0.0459		0.0422	0.0422	0.0000	196.2600	196.2600	0.0635	0.0000	197.8469

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	5.2800e-003	3.6700e-003	0.0439	1.4000e-004	0.0161	1.2000e-004	0.0162	4.2800e-003	1.1000e-004	4.3900e-003	0.0000	13.0938	13.0938	3.2000e-004	0.0000	13.1018
Total	5.2800e-003	3.6700e-003	0.0439	1.4000e-004	0.0161	1.2000e-004	0.0162	4.2800e-003	1.1000e-004	4.3900e-003	0.0000	13.0938	13.0938	3.2000e-004	0.0000	13.1018

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3.4 Paving - 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	0.0968	0.9334	1.4333	2.2300e-003		0.0459	0.0459		0.0422	0.0422	0.0000	196.2598	196.2598	0.0635	0.0000	197.8466
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0983	0.9334	1.4333	2.2300e-003		0.0459	0.0459		0.0422	0.0422	0.0000	196.2598	196.2598	0.0635	0.0000	197.8466

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	5.2800e-003	3.6700e-003	0.0439	1.4000e-004	0.0161	1.2000e-004	0.0162	4.2800e-003	1.1000e-004	4.3900e-003	0.0000	13.0938	13.0938	3.2000e-004	0.0000	13.1018
Total	5.2800e-003	3.6700e-003	0.0439	1.4000e-004	0.0161	1.2000e-004	0.0162	4.2800e-003	1.1000e-004	4.3900e-003	0.0000	13.0938	13.0938	3.2000e-004	0.0000	13.1018

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3.5 Architectural Coating - 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					
Archit. Coating	0.2893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0906	0.1259	2.1000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	17.7451	17.7451	1.0600e-003	0.0000	17.7717
Total	0.3027	0.0906	0.1259	2.1000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	17.7451	17.7451	1.0600e-003	0.0000	17.7717

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	0.0000	0.0000	0.0000	0.0000	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	9.4900e-003	6.8500e-003	0.0802	2.5000e-004	0.0274	2.1000e-004	0.0276	7.2800e-003	2.0000e-004	7.4800e-003	0.0000	22.9994	22.9994	5.9000e-004	0.0000	23.0142
Total	9.4900e-003	6.8500e-003	0.0802	2.5000e-004	0.0274	2.1000e-004	0.0276	7.2800e-003	2.0000e-004	7.4800e-003	0.0000	22.9994	22.9994	5.9000e-004	0.0000	23.0142

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3.5 Architectural Coating - 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					
Archit. Coating	0.2893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0906	0.1259	2.1000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	17.7451	17.7451	1.0600e-003	0.0000	17.7716
Total	0.3027	0.0906	0.1259	2.1000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	17.7451	17.7451	1.0600e-003	0.0000	17.7716

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	9.4900e-003	6.8500e-003	0.0802	2.5000e-004	0.0274	2.1000e-004	0.0276	7.2800e-003	2.0000e-004	7.4800e-003	0.0000	22.9994	22.9994	5.9000e-004	0.0000	23.0142
Total	9.4900e-003	6.8500e-003	0.0802	2.5000e-004	0.0274	2.1000e-004	0.0276	7.2800e-003	2.0000e-004	7.4800e-003	0.0000	22.9994	22.9994	5.9000e-004	0.0000	23.0142

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3.5 Architectural Coating - 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					
Archit. Coating	0.4080					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.1194	0.1774	2.9000e-004		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	25.0219	25.0219	1.4100e-003	0.0000	25.0571
Total	0.4257	0.1194	0.1774	2.9000e-004		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	25.0219	25.0219	1.4100e-003	0.0000	25.0571

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	0.0127	8.8000e-003	0.1053	3.5000e-004	0.0387	3.0000e-004	0.0390	0.0103	2.7000e-004	0.0105	0.0000	31.4252	31.4252	7.7000e-004	0.0000	31.4444
Total	0.0127	8.8000e-003	0.1053	3.5000e-004	0.0387	3.0000e-004	0.0390	0.0103	2.7000e-004	0.0105	0.0000	31.4252	31.4252	7.7000e-004	0.0000	31.4444

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3.5 Architectural Coating - 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					
Archit. Coating	0.4080					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.1194	0.1774	2.9000e-004		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	25.0219	25.0219	1.4100e-003	0.0000	25.0571
Total	0.4257	0.1194	0.1774	2.9000e-004		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	25.0219	25.0219	1.4100e-003	0.0000	25.0571

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	0.0127	8.8000e-003	0.1053	3.5000e-004	0.0387	3.0000e-004	0.0390	0.0103	2.7000e-004	0.0105	0.0000	31.4252	31.4252	7.7000e-004	0.0000	31.4444
Total	0.0127	8.8000e-003	0.1053	3.5000e-004	0.0387	3.0000e-004	0.0390	0.0103	2.7000e-004	0.0105	0.0000	31.4252	31.4252	7.7000e-004	0.0000	31.4444

4.0 Operational Detail - Mobile

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3964	1.8149	4.1144	0.0153	1.3045	0.0120	1.3165	0.3496	0.0112	0.3608	0.0000	1,414.6416	1,414.6416	0.0712	0.0000	1,416.4203
Unmitigated	0.4457	2.0774	5.3046	0.0207	1.8271	0.0160	1.8431	0.4896	0.0149	0.5045	0.0000	1,920.8856	1,920.8856	0.0925	0.0000	1,923.1975

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	1.80	8.19	6.03	9,544	6,814
Condo/Townhouse High Rise	848.26	629.26	500.78	2,622,098	1,872,130
Fast Food Restaurant w/o Drive Thru	957.74	814.32	585.00	1,600,966	1,143,060
High Turnover (Sit Down Restaurant)	278.46	346.83	288.73	394,803	281,882
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	106.75	105.10	51.08	187,521	133,887
Total	2,193.01	1,903.70	1,431.61	4,814,932	3,437,772

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Fast Food Restaurant w/o Drive Thru	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
High Turnover (Sit Down Restaurant)	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Other Asphalt Surfaces	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Strip Mall	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

West Village - Alternative 5 - Los Angeles-South Coast 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	245.1719	245.1719	0.0101	2.0900e-003	246.0490
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	245.1719	245.1719	0.0101	2.0900e-003	246.0490
NaturalGas Mitigated	0.0137	0.1198	0.0688	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	135.7962	135.7962	2.6000e-003	2.4900e-003	136.6032
NaturalGas Unmitigated	0.0137	0.1198	0.0688	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	135.7962	135.7962	2.6000e-003	2.4900e-003	136.6032

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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					
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
Condo/Townhouse High Rise	1.66841e+006	9.0000e-003	0.0769	0.0327	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	89.0327	89.0327	1.7100e-003	1.6300e-003	89.5617
Fast Food Restaurant w/o Drive Thru	303404	1.6400e-003	0.0149	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1908	16.1908	3.1000e-004	3.0000e-004	16.2870
High Turnover (Sit Down Restaurant)	567911	3.0600e-003	0.0278	0.0234	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	30.3059	30.3059	5.8000e-004	5.6000e-004	30.4860
Other 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
Strip Mall	5000	3.0000e-005	2.5000e-004	2.1000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2668	0.2668	1.0000e-005	0.0000	0.2684
Total		0.0137	0.1198	0.0688	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003	0.0000	135.7962	135.7962	2.6100e-003	2.4900e-003	136.6032

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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					
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
Condo/Townhouse High Rise	1.66841e+006	9.0000e-003	0.0769	0.0327	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	89.0327	89.0327	1.7100e-003	1.6300e-003	89.5617
Fast Food Restaurant w/o Drive Thru	303404	1.6400e-003	0.0149	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1908	16.1908	3.1000e-004	3.0000e-004	16.2870
High Turnover (Sit Down Restaurant)	567911	3.0600e-003	0.0278	0.0234	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	30.3059	30.3059	5.8000e-004	5.6000e-004	30.4860
Other 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
Strip Mall	5000	3.0000e-005	2.5000e-004	2.1000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2668	0.2668	1.0000e-005	0.0000	0.2684
Total		0.0137	0.1198	0.0688	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003	0.0000	135.7962	135.7962	2.6100e-003	2.4900e-003	136.6032

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	618304	197.0050	8.1300e-003	1.6800e-003	197.7097
Fast Food Restaurant w/o Drive Thru	42681.6	13.5993	5.6000e-004	1.2000e-004	13.6479
High Turnover (Sit Down Restaurant)	79891.2	25.4551	1.0500e-003	2.2000e-004	25.5461
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	28600	9.1126	3.8000e-004	8.0000e-005	9.1452
Total		245.1718	0.0101	2.1000e-003	246.0489

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	618304	197.0050	8.1300e-003	1.6800e-003	197.7097
Fast Food Restaurant w/o Drive Thru	42681.6	13.5993	5.6000e-004	1.2000e-004	13.6479
High Turnover (Sit Down Restaurant)	79891.2	25.4551	1.0500e-003	2.2000e-004	25.5461
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	28600	9.1126	3.8000e-004	8.0000e-005	9.1452
Total		245.1718	0.0101	2.1000e-003	246.0489

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	0.9122	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186
Unmitigated	0.9122	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186

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	0.0711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7960					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	0.0452	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186
Total	0.9123	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186

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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	0.0711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7960					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	0.0452	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186
Total	0.9123	0.0173	1.5044	8.0000e-005		8.3500e-003	8.3500e-003		8.3500e-003	8.3500e-003	0.0000	2.4597	2.4597	2.3600e-003	0.0000	2.5186

7.0 Water Detail

7.1 Mitigation Measures Water

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	71.2441	0.3520	8.8300e-003	82.6749
Unmitigated	71.2441	0.3520	8.8300e-003	82.6749

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.428933	1.5184	6.0000e-005	1.0000e-005	1.5238
Condo/Townhouse High Rise	9.51249 / 5.997	63.7117	0.3125	7.8400e-003	73.8590
Fast Food Restaurant w/o Drive Thru	0.355134 / 0.0226682	1.6663	0.0116	2.9000e-004	2.0426
High Turnover (Sit Down Restaurant)	0.664739 / 0.0424301	3.1189	0.0218	5.4000e-004	3.8233
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.185181 / 0.113498	1.2288	6.0800e-003	1.5000e-004	1.4263
Total		71.2441	0.3520	8.8300e-003	82.6749

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.428933	1.5184	6.0000e-005	1.0000e-005	1.5238
Condo/Townhouse High Rise	9.51249 / 5.997	63.7117	0.3125	7.8400e-003	73.8590
Fast Food Restaurant w/o Drive Thru	0.355134 / 0.0226682	1.6663	0.0116	2.9000e-004	2.0426
High Turnover (Sit Down Restaurant)	0.664739 / 0.0424301	3.1189	0.0218	5.4000e-004	3.8233
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.185181 / 0.113498	1.2288	6.0800e-003	1.5000e-004	1.4263
Total		71.2441	0.3520	8.8300e-003	82.6749

8.0 Waste Detail**8.1 Mitigation Measures Waste**

West Village - Alternative 5 - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.1991	1.3119	0.0000	54.9973
Unmitigated	22.1991	1.3119	0.0000	54.9973

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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
Condo/Townhouse High Rise	67.16	13.6329	0.8057	0.0000	33.7749
Fast Food Restaurant w/o Drive Thru	13.48	2.7363	0.1617	0.0000	6.7791
High Turnover (Sit Down Restaurant)	26.06	5.2899	0.3126	0.0000	13.1056
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.63	0.5339	0.0316	0.0000	1.3226
Total		22.1991	1.3119	0.0000	54.9973

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8.2 Waste by Land Use

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
Condo/Townhouse High Rise	67.16	13.6329	0.8057	0.0000	33.7749
Fast Food Restaurant w/o Drive Thru	13.48	2.7363	0.1617	0.0000	6.7791
High Turnover (Sit Down Restaurant)	26.06	5.2899	0.3126	0.0000	13.1056
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.63	0.5339	0.0316	0.0000	1.3226
Total		22.1991	1.3119	0.0000	54.9973

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

West Village - Alternative 5 - Los Angeles-South Coast 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

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions - Alternative 5

From CalEEMod Vehicle Fleet Mix Output:

Annual VMT: 3,437,772

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	54.5%	0.04	0.0217952	0.04	0.021795
Light Truck < 3750 lbs	4.4%	0.05	0.0022246	0.06	0.002669
Light Truck 3751-5750 lbs	20.8%	0.05	0.0103852	0.06	0.012462
Med Truck 5751-8500 lbs	11.8%	0.12	0.0141302	0.2	0.02355
Lite-Heavy Truck 8501-10,000 lbs	1.5%	0.12	0.0017632	0.2	0.002939
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.0005645	0.125	0.000784
Med-Heavy Truck 14,001-33,000 lbs	2.1%	0.06	0.0012439	0.05	0.001037
Heavy-Heavy Truck 33,001-60,000 lbs	3.2%	0.06	0.0019285	0.05	0.001607
Other Bus	0.3%	0.06	0.0001543	0.05	0.000129
Urban Bus	0.2%	0.06	0.000119	0.05	9.92E-05
Motorcycle	0.5%	0.09	0.0004715	0.01	5.24E-05
School Bus	0.1%	0.06	0.000042	0.05	0.000035
Motor Home	0.1%	0.09	7.569E-05	0.125	0.000105
Total	100.0%		0.0548978		0.067264

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.2312 metric tons N2O	71.68 metric tons CO2e
Project Total:	71.68 metric tons CO2e	

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
 in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 Assume Model year 2000-present, gasoline fueled.
 ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.