

Appendix A

Air Quality, GHG, and Energy Modeling Results

Westview Housing Project - South Coast Air Basin, Summer

Westview Housing Project
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	140.00	Space	1.50	56,000.00	0
----- Apartments Low Rise	85.00	----- Dwelling Unit	0.60	98,169.00	366

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.87	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Westview Housing Project - South Coast Air Basin, Summer

Project Characteristics - Adjusted per 2030 RPS

Land Use - Adjusted acreage per site plan and pop. per California DOF persons/household for city

Construction Phase - Adjusted schedule based on applicant provided data; Overlapped paving and A/C with B/C

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Grading - 900 cy of soil import per applicant data

Architectural Coating - Compliance with SCAQMD Rule 1113 (arch. coating)

Vehicle Trips - Weekday trip generation rate adjusted TIA

Woodstoves - Assumed no woodstoves/fireplaces

Area Coating - Compliance per SCAQMD Rule 1113

Energy Use -

Water And Wastewater - 20% reduction in indoor water use per CalGreen

Construction Off-road Equipment Mitigation - Compliance per SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	10.00	131.00
tblConstructionPhase	NumDays	220.00	434.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	207.00
tblConstructionPhase	NumDays	3.00	25.00

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tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	72.25	0.00
tblFireplaces	NumberNoFireplace	8.50	0.00
tblFireplaces	NumberWood	4.25	0.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	85,000.00	98,169.00
tblLandUse	LotAcreage	1.26	1.50
tblLandUse	LotAcreage	5.31	0.60
tblLandUse	Population	243.00	366.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

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tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.59	5.44
tblWater	IndoorWaterUseRate	5,538,092.18	4,430,474.00
tblWoodstoves	NumberCatalytic	4.25	0.00
tblWoodstoves	NumberNoncatalytic	4.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Westview Housing Project - South Coast Air Basin, 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					
2021	3.6691	30.9016	34.4867	0.0661	6.1898	1.5398	7.3237	3.3547	1.4873	4.4214	0.0000	6,366.450 4	6,366.450 4	1.0757	0.0000	6,388.024 8
2022	12.6389	64.7897	81.7567	0.1485	1.5683	3.2472	4.8155	0.4185	3.1646	3.5831	0.0000	14,211.74 59	14,211.745 9	1.7013	0.0000	14,254.27 85
2023	12.0945	59.6439	81.1531	0.1479	1.5683	2.8244	4.3927	0.4185	2.7519	3.1704	0.0000	14,145.96 36	14,145.96 36	1.6533	0.0000	14,187.29 62
Maximum	12.6389	64.7897	81.7567	0.1485	6.1898	3.2472	7.3237	3.3547	3.1646	4.4214	0.0000	14,211.74 59	14,211.74 59	1.7013	0.0000	14,254.27 85

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	lb/day										lb/day					
2021	3.6691	30.9016	34.4867	0.0661	2.8776	1.5398	4.0115	1.5341	1.4873	2.6008	0.0000	6,366.450 4	6,366.450 4	1.0757	0.0000	6,388.024 8
2022	12.6389	64.7897	81.7567	0.1485	1.5683	3.2472	4.8155	0.4185	3.1646	3.5831	0.0000	14,211.745 9	14,211.745 9	1.7013	0.0000	14,254.27 85
2023	12.0945	59.6439	81.1531	0.1479	1.5683	2.8244	4.3927	0.4185	2.7519	3.1704	0.0000	14,145.96 36	14,145.96 36	1.6533	0.0000	14,187.29 62
Maximum	12.6389	64.7897	81.7567	0.1485	2.8776	3.2472	4.8155	1.5341	3.1646	3.5831	0.0000	14,211.74 59	14,211.74 59	1.7013	0.0000	14,254.27 85

Westview Housing Project - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.51	0.00	20.03	43.43	0.00	16.29	0.00	0.00	0.00	0.00	0.00	0.00

Westview Housing Project - South Coast Air Basin, 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	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Energy	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Mobile	0.9069	3.9453	12.3313	0.0500	4.4171	0.0348	4.4519	1.1816	0.0323	1.2139		5,093.5436	5,093.5436	0.2177		5,098.9871
Total	3.2872	4.3000	19.4717	0.0521	4.4171	0.0958	4.5129	1.1816	0.0934	1.2750	0.0000	5,455.7790	5,455.7790	0.2366	6.4100e-003	5,463.6048

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	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Energy	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Mobile	0.9069	3.9453	12.3313	0.0500	4.4171	0.0348	4.4519	1.1816	0.0323	1.2139		5,093.5436	5,093.5436	0.2177		5,098.9871
Total	3.2872	4.3000	19.4717	0.0521	4.4171	0.0958	4.5129	1.1816	0.0934	1.2750	0.0000	5,455.7790	5,455.7790	0.2366	6.4100e-003	5,463.6048

Westview Housing Project - South Coast Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/7/2021	7/9/2021	5	25	
2	Grading	Grading	7/10/2021	8/9/2021	5	21	
3	Building Construction	Building Construction	8/10/2021	4/7/2023	5	434	
4	Paving	Paving	7/7/2022	4/21/2023	5	207	
5	Architectural Coating	Architectural Coating	10/21/2022	4/21/2023	5	131	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 31.5

Acres of Paving: 1.5

Residential Indoor: 198,792; Residential Outdoor: 66,264; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,360 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	2	8.00	158	0.38
Site Preparation	Generator Sets	2	7.00	84	0.74
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48

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Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Air Compressors	2	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	2	8.00	81	0.73
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Generator Sets	3	8.00	84	0.74
Architectural Coating	Pumps	3	8.00	84	0.74

Westview Housing Project - South Coast Air Basin, Summer

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	85.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	17.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.2941	22.4777	19.0074	0.0331		1.1327	1.1327		1.0655	1.0655		3,181.334 2	3,181.334 2	0.7319		3,199.632 1
Total	2.2941	22.4777	19.0074	0.0331	6.0221	1.1327	7.1548	3.3102	1.0655	4.3758		3,181.334 2	3,181.334 2	0.7319		3,199.632 1

Westview Housing Project - South Coast Air Basin, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	2.2941	22.4777	19.0074	0.0331		1.1327	1.1327		1.0655	1.0655	0.0000	3,181.3342	3,181.3342	0.7319		3,199.6321
Total	2.2941	22.4777	19.0074	0.0331	2.7099	1.1327	3.8426	1.4896	1.0655	2.5551	0.0000	3,181.3342	3,181.3342	0.7319		3,199.6321

Westview Housing Project - South Coast Air Basin, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5951	0.0000	1.5951	0.1724	0.0000	0.1724			0.0000			0.0000
Off-Road	2.0450	23.5397	9.3269	0.0341		0.7757	0.7757		0.7152	0.7152		3,272.5341	3,272.5341	1.0433		3,298.6156
Total	2.0450	23.5397	9.3269	0.0341	1.5951	0.7757	2.3707	0.1724	0.7152	0.8876		3,272.5341	3,272.5341	1.0433		3,298.6156

Westview Housing Project - South Coast Air Basin, Summer

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0362	1.2347	0.2727	3.6500e-003	0.0832	3.8500e-003	0.0870	0.0228	3.6800e-003	0.0265		396.7922	396.7922	0.0280		397.4913
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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0990	1.2756	0.8359	5.3200e-003	0.2508	5.0900e-003	0.2559	0.0673	4.8200e-003	0.0721		562.8269	562.8269	0.0324		563.6379

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					0.7178	0.0000	0.7178	0.0776	0.0000	0.0776			0.0000			0.0000
Off-Road	2.0450	23.5397	9.3269	0.0341		0.7757	0.7757		0.7152	0.7152	0.0000	3,272.5341	3,272.5341	1.0433		3,298.6156
Total	2.0450	23.5397	9.3269	0.0341	0.7178	0.7757	1.4935	0.0776	0.7152	0.7928	0.0000	3,272.5341	3,272.5341	1.0433		3,298.6156

Westview Housing Project - South Coast Air Basin, Summer

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0362	1.2347	0.2727	3.6500e-003	0.0832	3.8500e-003	0.0870	0.0228	3.6800e-003	0.0265		396.7922	396.7922	0.0280		397.4913
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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0990	1.2756	0.8359	5.3200e-003	0.2508	5.0900e-003	0.2559	0.0673	4.8200e-003	0.0721		562.8269	562.8269	0.0324		563.6379

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774		4,938.2481	4,938.2481	0.8075		4,958.4351
Total	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774		4,938.2481	4,938.2481	0.8075		4,958.4351

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0506	1.7238	0.4186	4.5500e-003	0.1152	3.5200e-003	0.1187	0.0332	3.3700e-003	0.0365		487.3387	487.3387	0.0301		488.0921
Worker	0.3557	0.2320	3.1915	9.4400e-003	0.9501	7.0300e-003	0.9571	0.2520	6.4800e-003	0.2585		940.8635	940.8635	0.0254		941.4975
Total	0.4064	1.9558	3.6101	0.0140	1.0653	0.0106	1.0758	0.2851	9.8500e-003	0.2950		1,428.2023	1,428.2023	0.0555		1,429.5897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774	0.0000	4,938.2481	4,938.2481	0.8075		4,958.4351
Total	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774	0.0000	4,938.2481	4,938.2481	0.8075		4,958.4351

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0506	1.7238	0.4186	4.5500e-003	0.1152	3.5200e-003	0.1187	0.0332	3.3700e-003	0.0365		487.3387	487.3387	0.0301		488.0921
Worker	0.3557	0.2320	3.1915	9.4400e-003	0.9501	7.0300e-003	0.9571	0.2520	6.4800e-003	0.2585		940.8635	940.8635	0.0254		941.4975
Total	0.4064	1.9558	3.6101	0.0140	1.0653	0.0106	1.0758	0.2851	9.8500e-003	0.2950		1,428.2023	1,428.2023	0.0555		1,429.5897

3.4 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	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708		4,939.0409	4,939.0409	0.7957		4,958.9326
Total	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708		4,939.0409	4,939.0409	0.7957		4,958.9326

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0475	1.6373	0.3963	4.5100e-003	0.1152	3.0600e-003	0.1182	0.0332	2.9300e-003	0.0361		483.0664	483.0664	0.0291		483.7939
Worker	0.3337	0.2096	2.9514	9.1000e-003	0.9501	6.8300e-003	0.9569	0.2520	6.2900e-003	0.2583		907.1737	907.1737	0.0229		907.7468
Total	0.3812	1.8470	3.3477	0.0136	1.0653	9.8900e-003	1.0752	0.2851	9.2200e-003	0.2944		1,390.2401	1,390.2401	0.0520		1,391.5407

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	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708	0.0000	4,939.0409	4,939.0409	0.7957		4,958.9326
Total	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708	0.0000	4,939.0409	4,939.0409	0.7957		4,958.9326

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0475	1.6373	0.3963	4.5100e-003	0.1152	3.0600e-003	0.1182	0.0332	2.9300e-003	0.0361		483.0664	483.0664	0.0291		483.7939
Worker	0.3337	0.2096	2.9514	9.1000e-003	0.9501	6.8300e-003	0.9569	0.2520	6.2900e-003	0.2583		907.1737	907.1737	0.0229		907.7468
Total	0.3812	1.8470	3.3477	0.0136	1.0653	9.8900e-003	1.0752	0.2851	9.2200e-003	0.2944		1,390.2401	1,390.2401	0.0520		1,391.5407

3.4 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	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009		4,939.6331	4,939.6331	0.7811		4,959.1593
Total	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009		4,939.6331	4,939.6331	0.7811		4,959.1593

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2023

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	0.0353	1.2344	0.3577	4.3600e-003	0.1152	1.4100e-003	0.1166	0.0332	1.3500e-003	0.0345		468.0656	468.0656	0.0257		468.7088
Worker	0.3138	0.1897	2.7255	8.7600e-003	0.9501	6.6500e-003	0.9568	0.2520	6.1300e-003	0.2581		873.3834	873.3834	0.0207		873.9004
Total	0.3491	1.4240	3.0832	0.0131	1.0653	8.0600e-003	1.0733	0.2851	7.4800e-003	0.2926		1,341.4491	1,341.4491	0.0464		1,342.6092

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	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009	0.0000	4,939.6331	4,939.6331	0.7811		4,959.1593
Total	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009	0.0000	4,939.6331	4,939.6331	0.7811		4,959.1593

Westview Housing Project - South Coast Air Basin, Summer

3.4 Building Construction - 2023

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	0.0353	1.2344	0.3577	4.3600e-003	0.1152	1.4100e-003	0.1166	0.0332	1.3500e-003	0.0345		468.0656	468.0656	0.0257		468.7088
Worker	0.3138	0.1897	2.7255	8.7600e-003	0.9501	6.6500e-003	0.9568	0.2520	6.1300e-003	0.2581		873.3834	873.3834	0.0207		873.9004
Total	0.3491	1.4240	3.0832	0.0131	1.0653	8.0600e-003	1.0733	0.2851	7.4800e-003	0.2926		1,341.4491	1,341.4491	0.0464		1,342.6092

3.5 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	2.2235	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734		3,663.9891	3,663.9891	0.6573		3,680.4214
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2424	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734		3,663.9891	3,663.9891	0.6573		3,680.4214

Westview Housing Project - South Coast Air Basin, Summer

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1099	0.0691	0.9722	3.0000e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		298.8337	298.8337	7.5500e-003		299.0225
Total	0.1099	0.0691	0.9722	3.0000e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		298.8337	298.8337	7.5500e-003		299.0225

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	2.2235	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734	0.0000	3,663.9891	3,663.9891	0.6573		3,680.4214
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2424	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734	0.0000	3,663.9891	3,663.9891	0.6573		3,680.4214

Westview Housing Project - South Coast Air Basin, Summer

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1099	0.0691	0.9722	3.0000e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		298.8337	298.8337	7.5500e-003		299.0225
Total	0.1099	0.0691	0.9722	3.0000e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		298.8337	298.8337	7.5500e-003		299.0225

3.5 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	2.0802	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509		3,664.2945	3,664.2945	0.6472		3,680.4738
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0992	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509		3,664.2945	3,664.2945	0.6472		3,680.4738

Westview Housing Project - South Coast Air Basin, Summer

3.5 Paving - 2023

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	0.1034	0.0625	0.8978	2.8900e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		287.7028	287.7028	6.8100e-003		287.8731
Total	0.1034	0.0625	0.8978	2.8900e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		287.7028	287.7028	6.8100e-003		287.8731

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	2.0802	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509	0.0000	3,664.2945	3,664.2945	0.6472		3,680.4738
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0992	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509	0.0000	3,664.2945	3,664.2945	0.6472		3,680.4738

Westview Housing Project - South Coast Air Basin, Summer

3.5 Paving - 2023

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	0.1034	0.0625	0.8978	2.8900e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		287.7028	287.7028	6.8100e-003		287.8731
Total	0.1034	0.0625	0.8978	2.8900e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		287.7028	287.7028	6.8100e-003		287.8731

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0457	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078		3,738.2074	3,738.2074	0.1842		3,742.8119
Total	6.8537	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078		3,738.2074	3,738.2074	0.1842		3,742.8119

Westview Housing Project - South Coast Air Basin, Summer

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0667	0.0419	0.5903	1.8200e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		181.4347	181.4347	4.5800e-003		181.5494
Total	0.0667	0.0419	0.5903	1.8200e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		181.4347	181.4347	4.5800e-003		181.5494

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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0457	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078	0.0000	3,738.2074	3,738.2074	0.1842		3,742.8119
Total	6.8537	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078	0.0000	3,738.2074	3,738.2074	0.1842		3,742.8119

Westview Housing Project - South Coast Air Basin, Summer

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0667	0.0419	0.5903	1.8200e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		181.4347	181.4347	4.5800e-003		181.5494
Total	0.0667	0.0419	0.5903	1.8200e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		181.4347	181.4347	4.5800e-003		181.5494

3.6 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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9010	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894		3,738.2074	3,738.2074	0.1677		3,742.4008
Total	6.7090	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894		3,738.2074	3,738.2074	0.1677		3,742.4008

Westview Housing Project - South Coast Air Basin, Summer

3.6 Architectural Coating - 2023

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	0.0628	0.0379	0.5451	1.7500e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		174.6767	174.6767	4.1400e-003		174.7801
Total	0.0628	0.0379	0.5451	1.7500e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		174.6767	174.6767	4.1400e-003		174.7801

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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9010	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894	0.0000	3,738.2074	3,738.2074	0.1677		3,742.4008
Total	6.7090	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894	0.0000	3,738.2074	3,738.2074	0.1677		3,742.4008

Westview Housing Project - South Coast Air Basin, Summer

3.6 Architectural Coating - 2023

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	0.0628	0.0379	0.5451	1.7500e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		174.6767	174.6767	4.1400e-003		174.7801
Total	0.0628	0.0379	0.5451	1.7500e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		174.6767	174.6767	4.1400e-003		174.7801

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Westview Housing Project - South Coast Air Basin, 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	0.9069	3.9453	12.3313	0.0500	4.4171	0.0348	4.4519	1.1816	0.0323	1.2139		5,093.5436	5,093.5436	0.2177		5,098.9871
Unmitigated	0.9069	3.9453	12.3313	0.0500	4.4171	0.0348	4.4519	1.1816	0.0323	1.2139		5,093.5436	5,093.5436	0.2177		5,098.9871

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	462.40	608.60	515.95	1,676,587	1,676,587
Parking Lot	0.00	0.00	0.00		
Total	462.40	608.60	515.95	1,676,587	1,676,587

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

Westview Housing Project - South Coast Air Basin, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
NaturalGas Unmitigated	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

Westview Housing Project - South Coast Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2971.41	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Parking Lot	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
Total		0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

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					
Apartments Low Rise	2.97141	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Parking Lot	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
Total		0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

6.0 Area Detail

6.1 Mitigation Measures Area

Westview Housing Project - South Coast Air Basin, 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	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Unmitigated	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

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	0.1726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9636					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	0.2121	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6576	12.6576	0.0122		12.9625
Total	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

Westview Housing Project - South Coast Air Basin, 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	0.1726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9636					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	0.2121	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6576	12.6576	0.0122		12.9625
Total	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

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

Westview Housing Project - South Coast Air Basin, 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

Westview Housing Project - South Coast Air Basin, Winter

Westview Housing Project
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	140.00	Space	1.50	56,000.00	0
Apartments Low Rise	85.00	Dwelling Unit	0.60	98,169.00	366

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.87	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Westview Housing Project - South Coast Air Basin, Winter

Project Characteristics - Adjusted per 2030 RPS

Land Use - Adjusted acreage per site plan and pop. per California DOF persons/household for city

Construction Phase - Adjusted schedule based on applicant provided data; Overlapped paving and A/C with B/C

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Grading - 900 cy of soil import per applicant data

Architectural Coating - Compliance with SCAQMD Rule 1113 (arch. coating)

Vehicle Trips - Weekday trip generation rate adjusted TIA

Woodstoves - Assumed no woodstoves/fireplaces

Area Coating - Compliance per SCAQMD Rule 1113

Energy Use -

Water And Wastewater - 20% reduction in indoor water use per CalGreen

Construction Off-road Equipment Mitigation - Compliance per SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	10.00	131.00
tblConstructionPhase	NumDays	220.00	434.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	207.00
tblConstructionPhase	NumDays	3.00	25.00

Westview Housing Project - South Coast Air Basin, Winter

tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	72.25	0.00
tblFireplaces	NumberNoFireplace	8.50	0.00
tblFireplaces	NumberWood	4.25	0.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	85,000.00	98,169.00
tblLandUse	LotAcreage	1.26	1.50
tblLandUse	LotAcreage	5.31	0.60
tblLandUse	Population	243.00	366.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

Westview Housing Project - South Coast Air Basin, Winter

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.59	5.44
tblWater	IndoorWaterUseRate	5,538,092.18	4,430,474.00
tblWoodstoves	NumberCatalytic	4.25	0.00
tblWoodstoves	NumberNoncatalytic	4.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Westview Housing Project - South Coast Air Basin, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.7079	30.9204	34.2308	0.0653	6.1898	1.5399	7.3237	3.3547	1.4874	4.4214	0.0000	6,294.749 4	6,294.749 4	1.0765	0.0000	6,316.334 9
2022	12.6948	64.8161	81.3659	0.1475	1.5683	3.2473	4.8156	0.4185	3.1647	3.5832	0.0000	14,112.349 7	14,112.349 7	1.7010	0.0000	14,154.87 47
2023	12.1482	59.6656	80.7771	0.1469	1.5683	2.8245	4.3928	0.4185	2.7519	3.1705	0.0000	14,050.38 96	14,050.38 96	1.6528	0.0000	14,091.70 92
Maximum	12.6948	64.8161	81.3659	0.1475	6.1898	3.2473	7.3237	3.3547	3.1647	4.4214	0.0000	14,112.34 97	14,112.34 97	1.7010	0.0000	14,154.87 47

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	lb/day										lb/day					
2021	3.7079	30.9204	34.2308	0.0653	2.8776	1.5399	4.0115	1.5341	1.4874	2.6008	0.0000	6,294.749 4	6,294.749 4	1.0765	0.0000	6,316.334 9
2022	12.6948	64.8161	81.3659	0.1475	1.5683	3.2473	4.8156	0.4185	3.1647	3.5832	0.0000	14,112.349 7	14,112.349 7	1.7010	0.0000	14,154.87 47
2023	12.1482	59.6656	80.7771	0.1469	1.5683	2.8245	4.3928	0.4185	2.7519	3.1705	0.0000	14,050.38 96	14,050.38 96	1.6528	0.0000	14,091.70 91
Maximum	12.6948	64.8161	81.3659	0.1475	2.8776	3.2473	4.8156	1.5341	3.1647	3.5832	0.0000	14,112.34 97	14,112.34 97	1.7010	0.0000	14,154.87 47

Westview Housing Project - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.51	0.00	20.03	43.43	0.00	16.29	0.00	0.00	0.00	0.00	0.00	0.00

Westview Housing Project - South Coast Air Basin, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Energy	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Mobile	0.8681	4.0284	11.5412	0.0474	4.4171	0.0349	4.4520	1.1816	0.0325	1.2141		4,837.5750	4,837.5750	0.2171		4,843.0029
Total	3.2484	4.3832	18.6816	0.0495	4.4171	0.0960	4.5131	1.1816	0.0935	1.2751	0.0000	5,199.8104	5,199.8104	0.2360	6.4100e-003	5,207.6205

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	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Energy	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Mobile	0.8681	4.0284	11.5412	0.0474	4.4171	0.0349	4.4520	1.1816	0.0325	1.2141		4,837.5750	4,837.5750	0.2171		4,843.0029
Total	3.2484	4.3832	18.6816	0.0495	4.4171	0.0960	4.5131	1.1816	0.0935	1.2751	0.0000	5,199.8104	5,199.8104	0.2360	6.4100e-003	5,207.6205

Westview Housing Project - South Coast Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/7/2021	7/9/2021	5	25	
2	Grading	Grading	7/10/2021	8/9/2021	5	21	
3	Building Construction	Building Construction	8/10/2021	4/7/2023	5	434	
4	Paving	Paving	7/7/2022	4/21/2023	5	207	
5	Architectural Coating	Architectural Coating	10/21/2022	4/21/2023	5	131	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 31.5

Acres of Paving: 1.5

Residential Indoor: 198,792; Residential Outdoor: 66,264; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,360 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	2	8.00	158	0.38
Site Preparation	Generator Sets	2	7.00	84	0.74
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48

Westview Housing Project - South Coast Air Basin, Winter

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Air Compressors	2	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	2	8.00	81	0.73
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Generator Sets	3	8.00	84	0.74
Architectural Coating	Pumps	3	8.00	84	0.74

Westview Housing Project - South Coast Air Basin, Winter

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	85.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	17.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.2941	22.4777	19.0074	0.0331		1.1327	1.1327		1.0655	1.0655		3,181.334 2	3,181.334 2	0.7319		3,199.632 1
Total	2.2941	22.4777	19.0074	0.0331	6.0221	1.1327	7.1548	3.3102	1.0655	4.3758		3,181.334 2	3,181.334 2	0.7319		3,199.632 1

Westview Housing Project - South Coast Air Basin, Winter

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	2.2941	22.4777	19.0074	0.0331		1.1327	1.1327		1.0655	1.0655	0.0000	3,181.334 2	3,181.334 2	0.7319		3,199.632 1
Total	2.2941	22.4777	19.0074	0.0331	2.7099	1.1327	3.8426	1.4896	1.0655	2.5551	0.0000	3,181.334 2	3,181.334 2	0.7319		3,199.632 1

Westview Housing Project - South Coast Air Basin, Winter

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5951	0.0000	1.5951	0.1724	0.0000	0.1724			0.0000			0.0000
Off-Road	2.0450	23.5397	9.3269	0.0341		0.7757	0.7757		0.7152	0.7152		3,272.5341	3,272.5341	1.0433		3,298.6156
Total	2.0450	23.5397	9.3269	0.0341	1.5951	0.7757	2.3707	0.1724	0.7152	0.8876		3,272.5341	3,272.5341	1.0433		3,298.6156

Westview Housing Project - South Coast Air Basin, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	1.2499	0.2906	3.5900e-003	0.0832	3.9100e-003	0.0871	0.0228	3.7400e-003	0.0265		389.9793	389.9793	0.0290		390.7046
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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.1063	1.2949	0.8004	5.1500e-003	0.2508	5.1500e-003	0.2560	0.0673	4.8800e-003	0.0721		545.7020	545.7020	0.0332		546.5319

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					0.7178	0.0000	0.7178	0.0776	0.0000	0.0776			0.0000			0.0000
Off-Road	2.0450	23.5397	9.3269	0.0341		0.7757	0.7757		0.7152	0.7152	0.0000	3,272.5341	3,272.5341	1.0433		3,298.6156
Total	2.0450	23.5397	9.3269	0.0341	0.7178	0.7757	1.4935	0.0776	0.7152	0.7928	0.0000	3,272.5341	3,272.5341	1.0433		3,298.6156

Westview Housing Project - South Coast Air Basin, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	1.2499	0.2906	3.5900e-003	0.0832	3.9100e-003	0.0871	0.0228	3.7400e-003	0.0265		389.9793	389.9793	0.0290		390.7046
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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.1063	1.2949	0.8004	5.1500e-003	0.2508	5.1500e-003	0.2560	0.0673	4.8800e-003	0.0721		545.7020	545.7020	0.0332		546.5319

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774		4,938.2481	4,938.2481	0.8075		4,958.4351
Total	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774		4,938.2481	4,938.2481	0.8075		4,958.4351

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0532	1.7198	0.4653	4.4300e-003	0.1152	3.6300e-003	0.1188	0.0332	3.4700e-003	0.0366		474.0728	474.0728	0.0322		474.8780
Worker	0.3920	0.2548	2.8889	8.8500e-003	0.9501	7.0300e-003	0.9571	0.2520	6.4800e-003	0.2585		882.4285	882.4285	0.0237		883.0218
Total	0.4452	1.9746	3.3542	0.0133	1.0653	0.0107	1.0759	0.2851	9.9500e-003	0.2951		1,356.5013	1,356.5013	0.0559		1,357.8998

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774	0.0000	4,938.2481	4,938.2481	0.8075		4,958.4351
Total	3.2627	28.9458	30.8766	0.0521		1.5293	1.5293		1.4774	1.4774	0.0000	4,938.2481	4,938.2481	0.8075		4,958.4351

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0532	1.7198	0.4653	4.4300e-003	0.1152	3.6300e-003	0.1188	0.0332	3.4700e-003	0.0366		474.0728	474.0728	0.0322		474.8780
Worker	0.3920	0.2548	2.8889	8.8500e-003	0.9501	7.0300e-003	0.9571	0.2520	6.4800e-003	0.2585		882.4285	882.4285	0.0237		883.0218
Total	0.4452	1.9746	3.3542	0.0133	1.0653	0.0107	1.0759	0.2851	9.9500e-003	0.2951		1,356.5013	1,356.5013	0.0559		1,357.8998

3.4 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	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708		4,939.0409	4,939.0409	0.7957		4,958.9326
Total	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708		4,939.0409	4,939.0409	0.7957		4,958.9326

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0499	1.6323	0.4407	4.3900e-003	0.1152	3.1600e-003	0.1183	0.0332	3.0200e-003	0.0362		469.8398	469.8398	0.0311		470.6167
Worker	0.3687	0.2301	2.6668	8.5400e-003	0.9501	6.8300e-003	0.9569	0.2520	6.2900e-003	0.2583		850.8320	850.8320	0.0214		851.3679
Total	0.4186	1.8625	3.1075	0.0129	1.0653	9.9900e-003	1.0753	0.2851	9.3100e-003	0.2944		1,320.6718	1,320.6718	0.0525		1,321.9846

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	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708	0.0000	4,939.0409	4,939.0409	0.7957		4,958.9326
Total	2.9848	26.3157	30.6482	0.0521		1.3147	1.3147		1.2708	1.2708	0.0000	4,939.0409	4,939.0409	0.7957		4,958.9326

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0499	1.6323	0.4407	4.3900e-003	0.1152	3.1600e-003	0.1183	0.0332	3.0200e-003	0.0362		469.8398	469.8398	0.0311		470.6167
Worker	0.3687	0.2301	2.6668	8.5400e-003	0.9501	6.8300e-003	0.9569	0.2520	6.2900e-003	0.2583		850.8320	850.8320	0.0214		851.3679
Total	0.4186	1.8625	3.1075	0.0129	1.0653	9.9900e-003	1.0753	0.2851	9.3100e-003	0.2944		1,320.6718	1,320.6718	0.0525		1,321.9846

3.4 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	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009		4,939.6331	4,939.6331	0.7811		4,959.1593
Total	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009		4,939.6331	4,939.6331	0.7811		4,959.1593

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2023

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	0.0371	1.2277	0.3908	4.2500e-003	0.1152	1.4900e-003	0.1167	0.0332	1.4200e-003	0.0346		455.4542	455.4542	0.0273		456.1364
Worker	0.3477	0.2082	2.4580	8.2200e-003	0.9501	6.6500e-003	0.9568	0.2520	6.1300e-003	0.2581		819.1387	819.1387	0.0193		819.6216
Total	0.3848	1.4359	2.8488	0.0125	1.0653	8.1400e-003	1.0734	0.2851	7.5500e-003	0.2927		1,274.5929	1,274.5929	0.0466		1,275.7580

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	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009	0.0000	4,939.6331	4,939.6331	0.7811		4,959.1593
Total	2.7711	24.3269	30.5021	0.0521		1.1390	1.1390		1.1009	1.1009	0.0000	4,939.6331	4,939.6331	0.7811		4,959.1593

Westview Housing Project - South Coast Air Basin, Winter

3.4 Building Construction - 2023

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	0.0371	1.2277	0.3908	4.2500e-003	0.1152	1.4900e-003	0.1167	0.0332	1.4200e-003	0.0346		455.4542	455.4542	0.0273		456.1364
Worker	0.3477	0.2082	2.4580	8.2200e-003	0.9501	6.6500e-003	0.9568	0.2520	6.1300e-003	0.2581		819.1387	819.1387	0.0193		819.6216
Total	0.3848	1.4359	2.8488	0.0125	1.0653	8.1400e-003	1.0734	0.2851	7.5500e-003	0.2927		1,274.5929	1,274.5929	0.0466		1,275.7580

3.5 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	2.2235	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734		3,663.9891	3,663.9891	0.6573		3,680.4214
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2424	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734		3,663.9891	3,663.9891	0.6573		3,680.4214

Westview Housing Project - South Coast Air Basin, Winter

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1215	0.0758	0.8785	2.8100e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		280.2741	280.2741	7.0600e-003		280.4506
Total	0.1215	0.0758	0.8785	2.8100e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		280.2741	280.2741	7.0600e-003		280.4506

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	2.2235	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734	0.0000	3,663.9891	3,663.9891	0.6573		3,680.4214
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2424	18.8248	23.9750	0.0386		1.0113	1.0113		0.9734	0.9734	0.0000	3,663.9891	3,663.9891	0.6573		3,680.4214

Westview Housing Project - South Coast Air Basin, Winter

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1215	0.0758	0.8785	2.8100e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		280.2741	280.2741	7.0600e-003		280.4506
Total	0.1215	0.0758	0.8785	2.8100e-003	0.3130	2.2500e-003	0.3152	0.0830	2.0700e-003	0.0851		280.2741	280.2741	7.0600e-003		280.4506

3.5 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	2.0802	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509		3,664.2945	3,664.2945	0.6472		3,680.4738
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0992	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509		3,664.2945	3,664.2945	0.6472		3,680.4738

Westview Housing Project - South Coast Air Basin, Winter

3.5 Paving - 2023

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	0.1146	0.0686	0.8097	2.7100e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		269.8339	269.8339	6.3600e-003		269.9930
Total	0.1146	0.0686	0.8097	2.7100e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		269.8339	269.8339	6.3600e-003		269.9930

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	2.0802	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509	0.0000	3,664.2945	3,664.2945	0.6472		3,680.4738
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0992	17.3874	23.9410	0.0386		0.8844	0.8844		0.8509	0.8509	0.0000	3,664.2945	3,664.2945	0.6472		3,680.4738

Westview Housing Project - South Coast Air Basin, Winter

3.5 Paving - 2023

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	0.1146	0.0686	0.8097	2.7100e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		269.8339	269.8339	6.3600e-003		269.9930
Total	0.1146	0.0686	0.8097	2.7100e-003	0.3130	2.1900e-003	0.3152	0.0830	2.0200e-003	0.0850		269.8339	269.8339	6.3600e-003		269.9930

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0457	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078		3,738.2074	3,738.2074	0.1842		3,742.8119
Total	6.8537	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078		3,738.2074	3,738.2074	0.1842		3,742.8119

Westview Housing Project - South Coast Air Basin, Winter

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0737	0.0460	0.5334	1.7100e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		170.1664	170.1664	4.2900e-003		170.2736
Total	0.0737	0.0460	0.5334	1.7100e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		170.1664	170.1664	4.2900e-003		170.2736

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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0457	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078	0.0000	3,738.2074	3,738.2074	0.1842		3,742.8119
Total	6.8537	17.6912	22.2234	0.0395		0.9078	0.9078		0.9078	0.9078	0.0000	3,738.2074	3,738.2074	0.1842		3,742.8119

Westview Housing Project - South Coast Air Basin, Winter

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0737	0.0460	0.5334	1.7100e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		170.1664	170.1664	4.2900e-003		170.2736
Total	0.0737	0.0460	0.5334	1.7100e-003	0.1900	1.3700e-003	0.1914	0.0504	1.2600e-003	0.0517		170.1664	170.1664	4.2900e-003		170.2736

3.6 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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9010	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894		3,738.2074	3,738.2074	0.1677		3,742.4008
Total	6.7090	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894		3,738.2074	3,738.2074	0.1677		3,742.4008

Westview Housing Project - South Coast Air Basin, Winter

3.6 Architectural Coating - 2023

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	0.0696	0.0416	0.4916	1.6400e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		163.8277	163.8277	3.8600e-003		163.9243
Total	0.0696	0.0416	0.4916	1.6400e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		163.8277	163.8277	3.8600e-003		163.9243

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	4.8080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9010	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894	0.0000	3,738.2074	3,738.2074	0.1677		3,742.4008
Total	6.7090	16.4053	22.1839	0.0395		0.7894	0.7894		0.7894	0.7894	0.0000	3,738.2074	3,738.2074	0.1677		3,742.4008

Westview Housing Project - South Coast Air Basin, Winter

3.6 Architectural Coating - 2023

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	0.0696	0.0416	0.4916	1.6400e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		163.8277	163.8277	3.8600e-003		163.9243
Total	0.0696	0.0416	0.4916	1.6400e-003	0.1900	1.3300e-003	0.1914	0.0504	1.2300e-003	0.0516		163.8277	163.8277	3.8600e-003		163.9243

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Westview Housing Project - South Coast Air Basin, 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	0.8681	4.0284	11.5412	0.0474	4.4171	0.0349	4.4520	1.1816	0.0325	1.2141		4,837.5750	4,837.5750	0.2171		4,843.0029
Unmitigated	0.8681	4.0284	11.5412	0.0474	4.4171	0.0349	4.4520	1.1816	0.0325	1.2141		4,837.5750	4,837.5750	0.2171		4,843.0029

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	462.40	608.60	515.95	1,676,587	1,676,587
Parking Lot	0.00	0.00	0.00		
Total	462.40	608.60	515.95	1,676,587	1,676,587

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

Westview Housing Project - South Coast Air Basin, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
NaturalGas Unmitigated	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

Westview Housing Project - South Coast Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2971.41	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Parking Lot	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
Total		0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

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					
Apartments Low Rise	2.97141	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552
Parking Lot	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
Total		0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.5778	349.5778	6.7000e-003	6.4100e-003	351.6552

6.0 Area Detail

6.1 Mitigation Measures Area

Westview Housing Project - South Coast Air Basin, 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	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625
Unmitigated	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

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	0.1726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9636					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	0.2121	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6576	12.6576	0.0122		12.9625
Total	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

Westview Housing Project - South Coast Air Basin, 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	0.1726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9636					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	0.2121	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6576	12.6576	0.0122		12.9625
Total	2.3482	0.0809	7.0239	3.7000e-004		0.0389	0.0389		0.0389	0.0389	0.0000	12.6576	12.6576	0.0122	0.0000	12.9625

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

Westview Housing Project - South Coast Air Basin, 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

Westview Housing Project - South Coast Air Basin, Annual

Westview Housing Project
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	140.00	Space	1.50	56,000.00	0
----- Apartments Low Rise	85.00	----- Dwelling Unit	0.60	98,169.00	366

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	CH4 Intensity (lb/MWhr)	0.015	N2O Intensity (lb/MWhr)	0.003

1.3 User Entered Comments & Non-Default Data

Westview Housing Project - South Coast Air Basin, Annual

Project Characteristics - Adjusted per 2030 RPS

Land Use - Adjusted acreage per site plan and pop. per California DOF persons/household for city

Construction Phase - Adjusted schedule based on applicant provided data; Overlapped paving and A/C with B/C

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Off-road Equipment - Based on applicant-provided data

Grading - 900 cy of soil import per applicant data

Architectural Coating - Compliance with SCAQMD Rule 1113 (arch. coating)

Vehicle Trips - Weekday trip generation rate adjusted TIA

Woodstoves - Assumed no woodstoves/fireplaces

Area Coating - Compliance per SCAQMD Rule 1113

Energy Use -

Water And Wastewater - 20% reduction in indoor water use per CalGreen

Construction Off-road Equipment Mitigation - Compliance per SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	10.00	131.00
tblConstructionPhase	NumDays	220.00	434.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	207.00
tblConstructionPhase	NumDays	3.00	25.00

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tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	72.25	0.00
tblFireplaces	NumberNoFireplace	8.50	0.00
tblFireplaces	NumberWood	4.25	0.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	85,000.00	98,169.00
tblLandUse	LotAcreage	1.26	1.50
tblLandUse	LotAcreage	5.31	0.60
tblLandUse	Population	243.00	366.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

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tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.59	5.44
tblWater	IndoorWaterUseRate	5,538,092.18	4,430,474.00
tblWoodstoves	NumberCatalytic	4.25	0.00
tblWoodstoves	NumberNoncatalytic	4.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Westview Housing Project - South Coast Air Basin, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2427	2.1524	2.1334	4.2500e-003	0.1511	0.1025	0.2535	0.0590	0.0982	0.1572	0.0000	372.2666	372.2666	0.0593	0.0000	373.7488
2022	0.7633	5.3205	6.5552	0.0122	0.1602	0.2597	0.4200	0.0429	0.2515	0.2944	0.0000	1,058.6634	1,058.6634	0.1426	0.0000	1,062.2279
2023	0.4681	2.2588	3.0676	5.5600e-003	0.0564	0.1072	0.1636	0.0151	0.1045	0.1196	0.0000	482.5545	482.5545	0.0562	0.0000	483.9598
Maximum	0.7633	5.3205	6.5552	0.0122	0.1602	0.2597	0.4200	0.0590	0.2515	0.2944	0.0000	1,058.6634	1,058.6634	0.1426	0.0000	1,062.2279

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2427	2.1524	2.1334	4.2500e-003	0.1005	0.1025	0.2029	0.0353	0.0982	0.1335	0.0000	372.2662	372.2662	0.0593	0.0000	373.7485
2022	0.7633	5.3205	6.5552	0.0122	0.1602	0.2597	0.4200	0.0429	0.2515	0.2944	0.0000	1,058.6624	1,058.6624	0.1426	0.0000	1,062.2269
2023	0.4681	2.2588	3.0676	5.5600e-003	0.0564	0.1072	0.1636	0.0151	0.1045	0.1196	0.0000	482.5540	482.5540	0.0562	0.0000	483.9592
Maximum	0.7633	5.3205	6.5552	0.0122	0.1602	0.2597	0.4200	0.0429	0.2515	0.2944	0.0000	1,058.6624	1,058.6624	0.1426	0.0000	1,062.2269

Westview Housing Project - South Coast Air Basin, 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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	13.77	0.00	6.05	20.30	0.00	4.16	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	6-7-2021	9-6-2021	0.9374	0.9374
2	9-7-2021	12-6-2021	1.1249	1.1249
3	12-7-2021	3-6-2022	1.0423	1.0423
4	3-7-2022	6-6-2022	1.0364	1.0364
5	6-7-2022	9-6-2022	1.5064	1.5064
6	9-7-2022	12-6-2022	2.1309	2.1309
7	12-7-2022	3-6-2023	2.3592	2.3592
8	3-7-2023	6-6-2023	1.0349	1.0349
		Highest	2.3592	2.3592

Westview Housing Project - South Coast Air Basin, Annual

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	117.7817	117.7817	3.6500e-003	1.5700e-003	118.3404
Mobile	0.0950	0.5207	1.2783	6.1300e-003	0.6366	3.7500e-003	0.6403	0.1705	3.4900e-003	0.1740	0.0000	569.8208	569.8208	0.0227	0.0000	570.3880
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.4056	15.4861	16.8917	0.1450	3.5400e-003	21.5722
Total	0.5170	0.5808	2.1757	6.5000e-003	0.6366	0.0127	0.6492	0.1705	0.0124	0.1829	9.3425	704.5239	713.8664	0.6418	5.1100e-003	731.4337

Westview Housing Project - South Coast Air Basin, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	117.7817	117.7817	3.6500e-003	1.5700e-003	118.3404
Mobile	0.0950	0.5207	1.2783	6.1300e-003	0.6366	3.7500e-003	0.6403	0.1705	3.4900e-003	0.1740	0.0000	569.8208	569.8208	0.0227	0.0000	570.3880
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.4056	15.4861	16.8917	0.1450	3.5400e-003	21.5722
Total	0.5170	0.5808	2.1757	6.5000e-003	0.6366	0.0127	0.6492	0.1705	0.0124	0.1829	9.3425	704.5239	713.8664	0.6418	5.1100e-003	731.4337

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/7/2021	7/9/2021	5	25	
2	Grading	Grading	7/10/2021	8/9/2021	5	21	
3	Building Construction	Building Construction	8/10/2021	4/7/2023	5	434	
4	Paving	Paving	7/7/2022	4/21/2023	5	207	
5	Architectural Coating	Architectural Coating	10/21/2022	4/21/2023	5	131	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 31.5

Acres of Paving: 1.5

Residential Indoor: 198,792; Residential Outdoor: 66,264; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,360 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	2	8.00	158	0.38
Site Preparation	Generator Sets	2	7.00	84	0.74
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Air Compressors	2	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	2	8.00	81	0.73
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Generator Sets	3	8.00	84	0.74
Architectural Coating	Pumps	3	8.00	84	0.74

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	85.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	17.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0753	0.0000	0.0753	0.0414	0.0000	0.0414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2810	0.2376	4.1000e-004		0.0142	0.0142		0.0133	0.0133	0.0000	36.0757	36.0757	8.3000e-003	0.0000	36.2832
Total	0.0287	0.2810	0.2376	4.1000e-004	0.0753	0.0142	0.0894	0.0414	0.0133	0.0547	0.0000	36.0757	36.0757	8.3000e-003	0.0000	36.2832

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	5.8000e-004	6.5400e-003	2.0000e-005	2.0600e-003	2.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7937	1.7937	5.0000e-005	0.0000	1.7949
Total	7.8000e-004	5.8000e-004	6.5400e-003	2.0000e-005	2.0600e-003	2.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7937	1.7937	5.0000e-005	0.0000	1.7949

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					0.0339	0.0000	0.0339	0.0186	0.0000	0.0186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2810	0.2376	4.1000e-004		0.0142	0.0142		0.0133	0.0133	0.0000	36.0757	36.0757	8.3000e-003	0.0000	36.2832
Total	0.0287	0.2810	0.2376	4.1000e-004	0.0339	0.0142	0.0480	0.0186	0.0133	0.0319	0.0000	36.0757	36.0757	8.3000e-003	0.0000	36.2832

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	5.8000e-004	6.5400e-003	2.0000e-005	2.0600e-003	2.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7937	1.7937	5.0000e-005	0.0000	1.7949
Total	7.8000e-004	5.8000e-004	6.5400e-003	2.0000e-005	2.0600e-003	2.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7937	1.7937	5.0000e-005	0.0000	1.7949

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0168	0.0000	0.0168	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.2472	0.0979	3.6000e-004		8.1400e-003	8.1400e-003		7.5100e-003	7.5100e-003	0.0000	31.1723	31.1723	9.9400e-003	0.0000	31.4208
Total	0.0215	0.2472	0.0979	3.6000e-004	0.0168	8.1400e-003	0.0249	1.8100e-003	7.5100e-003	9.3200e-003	0.0000	31.1723	31.1723	9.9400e-003	0.0000	31.4208

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0134	2.9500e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.4000e-004	4.0000e-005	2.7000e-004	0.0000	3.7524	3.7524	2.7000e-004	0.0000	3.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.9000e-004	5.5000e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.5067	1.5067	4.0000e-005	0.0000	1.5077
Total	1.0300e-003	0.0139	8.4500e-003	6.0000e-005	2.5900e-003	5.0000e-005	2.6400e-003	7.0000e-004	5.0000e-005	7.4000e-004	0.0000	5.2591	5.2591	3.1000e-004	0.0000	5.2669

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					7.5400e-003	0.0000	7.5400e-003	8.1000e-004	0.0000	8.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.2472	0.0979	3.6000e-004		8.1400e-003	8.1400e-003		7.5100e-003	7.5100e-003	0.0000	31.1723	31.1723	9.9400e-003	0.0000	31.4207
Total	0.0215	0.2472	0.0979	3.6000e-004	7.5400e-003	8.1400e-003	0.0157	8.1000e-004	7.5100e-003	8.3200e-003	0.0000	31.1723	31.1723	9.9400e-003	0.0000	31.4207

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0134	2.9500e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.4000e-004	4.0000e-005	2.7000e-004	0.0000	3.7524	3.7524	2.7000e-004	0.0000	3.7591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.9000e-004	5.5000e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.5067	1.5067	4.0000e-005	0.0000	1.5077
Total	1.0300e-003	0.0139	8.4500e-003	6.0000e-005	2.5900e-003	5.0000e-005	2.6400e-003	7.0000e-004	5.0000e-005	7.4000e-004	0.0000	5.2591	5.2591	3.1000e-004	0.0000	5.2669

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1697	1.5052	1.6056	2.7100e-003		0.0795	0.0795		0.0768	0.0768	0.0000	232.9550	232.9550	0.0381	0.0000	233.9073
Total	0.1697	1.5052	1.6056	2.7100e-003		0.0795	0.0795		0.0768	0.0768	0.0000	232.9550	232.9550	0.0381	0.0000	233.9073

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0910	0.0230	2.3000e-004	5.9000e-003	1.9000e-004	6.0800e-003	1.7000e-003	1.8000e-004	1.8800e-003	0.0000	22.7267	22.7267	1.4700e-003	0.0000	22.7633
Worker	0.0184	0.0136	0.1543	4.7000e-004	0.0485	3.7000e-004	0.0489	0.0129	3.4000e-004	0.0132	0.0000	42.2840	42.2840	1.1400e-003	0.0000	42.3125
Total	0.0211	0.1047	0.1773	7.0000e-004	0.0544	5.6000e-004	0.0549	0.0146	5.2000e-004	0.0151	0.0000	65.0107	65.0107	2.6100e-003	0.0000	65.0758

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	0.1697	1.5052	1.6056	2.7100e-003		0.0795	0.0795		0.0768	0.0768	0.0000	232.9547	232.9547	0.0381	0.0000	233.9070
Total	0.1697	1.5052	1.6056	2.7100e-003		0.0795	0.0795		0.0768	0.0768	0.0000	232.9547	232.9547	0.0381	0.0000	233.9070

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0910	0.0230	2.3000e-004	5.9000e-003	1.9000e-004	6.0800e-003	1.7000e-003	1.8000e-004	1.8800e-003	0.0000	22.7267	22.7267	1.4700e-003	0.0000	22.7633
Worker	0.0184	0.0136	0.1543	4.7000e-004	0.0485	3.7000e-004	0.0489	0.0129	3.4000e-004	0.0132	0.0000	42.2840	42.2840	1.1400e-003	0.0000	42.3125
Total	0.0211	0.1047	0.1773	7.0000e-004	0.0544	5.6000e-004	0.0549	0.0146	5.2000e-004	0.0151	0.0000	65.0107	65.0107	2.6100e-003	0.0000	65.0758

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3880	3.4210	3.9843	6.7700e-003		0.1709	0.1709		0.1652	0.1652	0.0000	582.4809	582.4809	0.0938	0.0000	584.8268
Total	0.3880	3.4210	3.9843	6.7700e-003		0.1709	0.1709		0.1652	0.1652	0.0000	582.4809	582.4809	0.0938	0.0000	584.8268

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.2160	0.0545	5.8000e-004	0.0148	4.0000e-004	0.0152	4.2500e-003	3.9000e-004	4.6400e-003	0.0000	56.3148	56.3148	3.5400e-003	0.0000	56.4032
Worker	0.0431	0.0308	0.3561	1.1300e-003	0.1212	8.9000e-004	0.1221	0.0322	8.2000e-004	0.0330	0.0000	101.9237	101.9237	2.5700e-003	0.0000	101.9880
Total	0.0494	0.2468	0.4106	1.7100e-003	0.1360	1.2900e-003	0.1373	0.0365	1.2100e-003	0.0377	0.0000	158.2386	158.2386	6.1100e-003	0.0000	158.3912

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	0.3880	3.4210	3.9843	6.7700e-003		0.1709	0.1709		0.1652	0.1652	0.0000	582.4802	582.4802	0.0938	0.0000	584.8261
Total	0.3880	3.4210	3.9843	6.7700e-003		0.1709	0.1709		0.1652	0.1652	0.0000	582.4802	582.4802	0.0938	0.0000	584.8261

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.2160	0.0545	5.8000e-004	0.0148	4.0000e-004	0.0152	4.2500e-003	3.9000e-004	4.6400e-003	0.0000	56.3148	56.3148	3.5400e-003	0.0000	56.4032
Worker	0.0431	0.0308	0.3561	1.1300e-003	0.1212	8.9000e-004	0.1221	0.0322	8.2000e-004	0.0330	0.0000	101.9237	101.9237	2.5700e-003	0.0000	101.9880
Total	0.0494	0.2468	0.4106	1.7100e-003	0.1360	1.2900e-003	0.1373	0.0365	1.2100e-003	0.0377	0.0000	158.2386	158.2386	6.1100e-003	0.0000	158.3912

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0970	0.8514	1.0676	1.8200e-003		0.0399	0.0399		0.0385	0.0385	0.0000	156.8406	156.8406	0.0248	0.0000	157.4606
Total	0.0970	0.8514	1.0676	1.8200e-003		0.0399	0.0399		0.0385	0.0385	0.0000	156.8406	156.8406	0.0248	0.0000	157.4606

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3.4 Building Construction - 2023

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	1.2600e-003	0.0436	0.0131	1.5000e-004	3.9700e-003	5.0000e-005	4.0200e-003	1.1500e-003	5.0000e-005	1.1900e-003	0.0000	14.6936	14.6936	8.4000e-004	0.0000	14.7146
Worker	0.0109	7.5000e-003	0.0884	2.9000e-004	0.0326	2.3000e-004	0.0329	8.6700e-003	2.1000e-004	8.8800e-003	0.0000	26.4185	26.4185	6.2000e-004	0.0000	26.4341
Total	0.0122	0.0511	0.1015	4.4000e-004	0.0366	2.8000e-004	0.0369	9.8200e-003	2.6000e-004	0.0101	0.0000	41.1121	41.1121	1.4600e-003	0.0000	41.1487

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	0.0970	0.8514	1.0676	1.8200e-003		0.0399	0.0399		0.0385	0.0385	0.0000	156.8404	156.8404	0.0248	0.0000	157.4604
Total	0.0970	0.8514	1.0676	1.8200e-003		0.0399	0.0399		0.0385	0.0385	0.0000	156.8404	156.8404	0.0248	0.0000	157.4604

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3.4 Building Construction - 2023

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	1.2600e-003	0.0436	0.0131	1.5000e-004	3.9700e-003	5.0000e-005	4.0200e-003	1.1500e-003	5.0000e-005	1.1900e-003	0.0000	14.6936	14.6936	8.4000e-004	0.0000	14.7146
Worker	0.0109	7.5000e-003	0.0884	2.9000e-004	0.0326	2.3000e-004	0.0329	8.6700e-003	2.1000e-004	8.8800e-003	0.0000	26.4185	26.4185	6.2000e-004	0.0000	26.4341
Total	0.0122	0.0511	0.1015	4.4000e-004	0.0366	2.8000e-004	0.0369	9.8200e-003	2.6000e-004	0.0101	0.0000	41.1121	41.1121	1.4600e-003	0.0000	41.1487

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1412	1.1954	1.5224	2.4500e-003		0.0642	0.0642		0.0618	0.0618	0.0000	211.0686	211.0686	0.0379	0.0000	212.0152
Paving	1.2100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1424	1.1954	1.5224	2.4500e-003		0.0642	0.0642		0.0618	0.0618	0.0000	211.0686	211.0686	0.0379	0.0000	212.0152

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3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	4.9500e-003	0.0573	1.8000e-004	0.0195	1.4000e-004	0.0197	5.1800e-003	1.3000e-004	5.3100e-003	0.0000	16.4000	16.4000	4.1000e-004	0.0000	16.4104
Total	6.9400e-003	4.9500e-003	0.0573	1.8000e-004	0.0195	1.4000e-004	0.0197	5.1800e-003	1.3000e-004	5.3100e-003	0.0000	16.4000	16.4000	4.1000e-004	0.0000	16.4104

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	0.1412	1.1954	1.5224	2.4500e-003		0.0642	0.0642		0.0618	0.0618	0.0000	211.0684	211.0684	0.0379	0.0000	212.0150
Paving	1.2100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1424	1.1954	1.5224	2.4500e-003		0.0642	0.0642		0.0618	0.0618	0.0000	211.0684	211.0684	0.0379	0.0000	212.0150

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	4.9500e-003	0.0573	1.8000e-004	0.0195	1.4000e-004	0.0197	5.1800e-003	1.3000e-004	5.3100e-003	0.0000	16.4000	16.4000	4.1000e-004	0.0000	16.4104
Total	6.9400e-003	4.9500e-003	0.0573	1.8000e-004	0.0195	1.4000e-004	0.0197	5.1800e-003	1.3000e-004	5.3100e-003	0.0000	16.4000	16.4000	4.1000e-004	0.0000	16.4104

3.5 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	tons/yr										MT/yr					
Off-Road	0.0832	0.6955	0.9576	1.5400e-003		0.0354	0.0354		0.0340	0.0340	0.0000	132.9677	132.9677	0.0235	0.0000	133.5548
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0840	0.6955	0.9576	1.5400e-003		0.0354	0.0354		0.0340	0.0340	0.0000	132.9677	132.9677	0.0235	0.0000	133.5548

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3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8200e-003	0.0333	1.1000e-004	0.0123	9.0000e-005	0.0124	3.2600e-003	8.0000e-005	3.3400e-003	0.0000	9.9458	9.9458	2.3000e-004	0.0000	9.9517
Total	4.1200e-003	2.8200e-003	0.0333	1.1000e-004	0.0123	9.0000e-005	0.0124	3.2600e-003	8.0000e-005	3.3400e-003	0.0000	9.9458	9.9458	2.3000e-004	0.0000	9.9517

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	0.0832	0.6955	0.9576	1.5400e-003		0.0354	0.0354		0.0340	0.0340	0.0000	132.9675	132.9675	0.0235	0.0000	133.5546
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0840	0.6955	0.9576	1.5400e-003		0.0354	0.0354		0.0340	0.0340	0.0000	132.9675	132.9675	0.0235	0.0000	133.5546

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3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8200e-003	0.0333	1.1000e-004	0.0123	9.0000e-005	0.0124	3.2600e-003	8.0000e-005	3.3400e-003	0.0000	9.9458	9.9458	2.3000e-004	0.0000	9.9517
Total	4.1200e-003	2.8200e-003	0.0333	1.1000e-004	0.0123	9.0000e-005	0.0124	3.2600e-003	8.0000e-005	3.3400e-003	0.0000	9.9458	9.9458	2.3000e-004	0.0000	9.9517

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0522	0.4511	0.5667	1.0100e-003		0.0232	0.0232		0.0232	0.0232	0.0000	86.4767	86.4767	4.2600e-003	0.0000	86.5833
Total	0.1748	0.4511	0.5667	1.0100e-003		0.0232	0.0232		0.0232	0.0232	0.0000	86.4767	86.4767	4.2600e-003	0.0000	86.5833

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6900e-003	1.2100e-003	0.0140	4.0000e-005	4.7600e-003	3.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9986	3.9986	1.0000e-004	0.0000	4.0011
Total	1.6900e-003	1.2100e-003	0.0140	4.0000e-005	4.7600e-003	3.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9986	3.9986	1.0000e-004	0.0000	4.0011

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	0.1226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0522	0.4511	0.5667	1.0100e-003		0.0232	0.0232		0.0232	0.0232	0.0000	86.4766	86.4766	4.2600e-003	0.0000	86.5832
Total	0.1748	0.4511	0.5667	1.0100e-003		0.0232	0.0232		0.0232	0.0232	0.0000	86.4766	86.4766	4.2600e-003	0.0000	86.5832

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6900e-003	1.2100e-003	0.0140	4.0000e-005	4.7600e-003	3.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9986	3.9986	1.0000e-004	0.0000	4.0011
Total	1.6900e-003	1.2100e-003	0.0140	4.0000e-005	4.7600e-003	3.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9986	3.9986	1.0000e-004	0.0000	4.0011

3.6 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	0.1923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0760	0.6562	0.8874	1.5800e-003		0.0316	0.0316		0.0316	0.0316	0.0000	135.6498	135.6498	6.0900e-003	0.0000	135.8020
Total	0.2684	0.6562	0.8874	1.5800e-003		0.0316	0.0316		0.0316	0.0316	0.0000	135.6498	135.6498	6.0900e-003	0.0000	135.8020

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7100e-003	0.0202	7.0000e-005	7.4600e-003	5.0000e-005	7.5100e-003	1.9800e-003	5.0000e-005	2.0300e-003	0.0000	6.0385	6.0385	1.4000e-004	0.0000	6.0421
Total	2.5000e-003	1.7100e-003	0.0202	7.0000e-005	7.4600e-003	5.0000e-005	7.5100e-003	1.9800e-003	5.0000e-005	2.0300e-003	0.0000	6.0385	6.0385	1.4000e-004	0.0000	6.0421

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	0.1923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0760	0.6562	0.8874	1.5800e-003		0.0316	0.0316		0.0316	0.0316	0.0000	135.6496	135.6496	6.0900e-003	0.0000	135.8018
Total	0.2684	0.6562	0.8874	1.5800e-003		0.0316	0.0316		0.0316	0.0316	0.0000	135.6496	135.6496	6.0900e-003	0.0000	135.8018

Westview Housing Project - South Coast Air Basin, Annual

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7100e-003	0.0202	7.0000e-005	7.4600e-003	5.0000e-005	7.5100e-003	1.9800e-003	5.0000e-005	2.0300e-003	0.0000	6.0385	6.0385	1.4000e-004	0.0000	6.0421
Total	2.5000e-003	1.7100e-003	0.0202	7.0000e-005	7.4600e-003	5.0000e-005	7.5100e-003	1.9800e-003	5.0000e-005	2.0300e-003	0.0000	6.0385	6.0385	1.4000e-004	0.0000	6.0421

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0950	0.5207	1.2783	6.1300e-003	0.6366	3.7500e-003	0.6403	0.1705	3.4900e-003	0.1740	0.0000	569.8208	569.8208	0.0227	0.0000	570.3880
Unmitigated	0.0950	0.5207	1.2783	6.1300e-003	0.6366	3.7500e-003	0.6403	0.1705	3.4900e-003	0.1740	0.0000	569.8208	569.8208	0.0227	0.0000	570.3880

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	462.40	608.60	515.95	1,676,587	1,676,587
Parking Lot	0.00	0.00	0.00		
Total	462.40	608.60	515.95	1,676,587	1,676,587

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.554588	0.041680	0.206638	0.111313	0.012826	0.005773	0.022313	0.034878	0.002168	0.001490	0.004854	0.000717	0.000760
Parking Lot	0.554588	0.041680	0.206638	0.111313	0.012826	0.005773	0.022313	0.034878	0.002168	0.001490	0.004854	0.000717	0.000760

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	59.9051	59.9051	2.5400e-003	5.1000e-004	60.1200
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	59.9051	59.9051	2.5400e-003	5.1000e-004	60.1200
NaturalGas Mitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.08457e+006	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.08457e+006	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8765	57.8765	1.1100e-003	1.0600e-003	58.2205

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	353611	56.7591	2.4100e-003	4.8000e-004	56.9626
Parking Lot	19600	3.1461	1.3000e-004	3.0000e-005	3.1573
Total		59.9051	2.5400e-003	5.1000e-004	60.1200

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	353611	56.7591	2.4100e-003	4.8000e-004	56.9626
Parking Lot	19600	3.1461	1.3000e-004	3.0000e-005	3.1573
Total		59.9051	2.5400e-003	5.1000e-004	60.1200

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697
Unmitigated	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697

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	0.0315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3584					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	0.0263	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697
Total	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697

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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	0.0315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3584					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	0.0263	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697
Total	0.4162	0.0101	0.8760	5.0000e-005		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	1.4354	1.4354	1.3700e-003	0.0000	1.4697

7.0 Water Detail

7.1 Mitigation Measures Water

Westview Housing Project - South Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.8917	0.1450	3.5400e-003	21.5722
Unmitigated	16.8917	0.1450	3.5400e-003	21.5722

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	4.43047 / 3.49141	16.8917	0.1450	3.5400e-003	21.5722
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		16.8917	0.1450	3.5400e-003	21.5722

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	4.43047 / 3.49141	16.8917	0.1450	3.5400e-003	21.5722
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		16.8917	0.1450	3.5400e-003	21.5722

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.9370	0.4691	0.0000	19.6635
Unmitigated	7.9370	0.4691	0.0000	19.6635

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	39.1	7.9370	0.4691	0.0000	19.6635
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		7.9370	0.4691	0.0000	19.6635

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	39.1	7.9370	0.4691	0.0000	19.6635
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		7.9370	0.4691	0.0000	19.6635

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

N2O Operational GHG Emission Mobile Calculations

Project Code & Title: Westview Housing Project

Vehicle Population Breakdown*		VMT per Vehicle Type	
12642012	Gasoline vehicles	1,676,587	Project VMT (CalEEMod output)
662745	Diesel vehicles	1593072	Gasoline vehicle VMT
95.0%	Gasoline vehicle %	83515	Diesel vehicle VMT
5.0%	Diesel vehicle %		

Gasoline Vehicles	
95.0%	Gasoline vehicle %
0.5207	Tons per year mobile NOX emissions (annual output in CalEEMod)
0.49	Gasoline vehicle tons per year NOX emissions
0.0375	Tons per year N2O emissions for gasoline vehicles**
0.0340	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
1.60	grams N2O per gallon of fuel for diesel vehicles**
23.38	Diesel average miles per gallon*
0.06843	grams per mile N2O for diesel vehicles
5715.1	grams per year N2O for diesel vehicles
0.0057151	Metric tons per year N2O emissions for diesel vehicles

CO2e Emissions from N2O	
0.0397	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
11.8	CO2e emissions per year from N2O emissions from gasoline + diesel vehicles

Sources
<p>*Vehicle population source: EMFAC2017 (v1.0.2) Emissions Inventory Region Type: Air Basin Region: SOUTH COAST Calendar Year: 2030 Season: Annual Vehicle Classification: EMFAC2011 Categories</p> <p>**Methodology source: EMFAC2017 Volume III - Technical Documentation https://www.arb.ca.gov/msei/emfac2011-faq.htm</p> <p>***GWP source: Intergovernmental Panel on Climate Change (IPCC). 2007. AR4 Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p>

Westview Housing Project

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Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors [1]:

HP: 0 to 100	0.0588	HP: Greater than 100	0.0529
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Values above are expressed in gallons per horsepower-hour/BSFC.

CONSTRUCTION EQUIPMENT						
Construction Equipment	#	Hours per		Load Factor	Construction Phase	Fuel Used (gallons)
		Day	Horsepower			
Excavators	2	8	158	0.38	Site Prep	1,269.46
Generator Sets	2	7	84	0.74	Site Prep	1,278.47
Tractors/Loaders/Backhoes	1	7	97	0.37	Site Prep	369.08
Rubber tired dozers	1	8	247	0.40	Site Prep	1,044.49
Off-Highway Trucks	1	8	402	0.38	Grading	1,356.56
Graders	3	8	187	0.41	Grading	2,042.56
Plate Compactors	2	8	8	0.43	Grading	67.92
Cranes	1	8	231	0.29	Building Construction	12,294.44
Forklifts	3	7	89	0.20	Building Construction	9,533.27
Aerial Lifts	2	8	63	0.31	Building Construction	7,969.39
Tractors/Loaders/Backhoes	2	6	97	0.37	Building Construction	10,983.92
Air Compressors	1	8	78	0.48	Building Construction	7,638.86
Concrete/Industrial Saws	2	8	81	0.73	Building Construction	24,128.51
Skid Steer Loaders	1	8	65	0.37	Building Construction	4,906.91
Generator Sets	2	8	84	0.74	Building Construction	25,364.93
Welders	1	8	46	0.45	Building Construction	4,223.41
Pavers	1	8	130	0.42	Paving	4,779.38
Paving Equipment	1	8	132	0.36	Paving	4,159.64
Air Compressors	2	8	78	0.48	Paving	7,286.84
Concrete/Industrial Saws	2	8	81	0.73	Paving	11,508.30
Plate Compactors	2	8	8	0.43	Paving	669.52
Rollers	2	8	80	0.38	Paving	5,916.66
Tractors/Loaders/Backhoes	1	8	97	0.37	Paving	3,492.58
Generator Sets	3	8	84	0.74	Architectural Coating	18,147.03
Pumps	3	8	84	0.74	Architectural Coating	18,147.03
Total Fuel Used						188,579.18

Construction Phase	Days of Operation
Site Preparation Phase	25
Grading Phase	21
Building Construction Phase	434
Architectural Coating Phase	131
Paving Phase	207

WORKER TRIPS				
Constuction Phase	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
Site Prep Phase	24.4	375	14.7	225.92
Grading Phase	24.4	315	14.7	189.77
Building Phase	24.4	36890	14.7	22224.71
Paving Phase	24.4	5796	14.7	3491.85
Architectural Coating Phase	24.4	2227	14.7	1341.68
Fuel Used				27473.94

HAULING AND VENDOR TRIPS				
Trip Class	MPG [2]	Trips	Trip Length (miles)	(gallons)
Vendor Trips	7.5	18	6.9	16.56
Hauling Trips	7.5	100	20	266.67
Fuel Used				283.23
Total Gasoline Consumption (gallons)				27473.94
Total Diesel Consumption (gallons)				188862.41

Sources:

[1] United States Environmental Protection Agency. 2018. Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b. July 2018. Available at: <https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf>.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2019. National Transportation Statistics 2019. Available at: <https://www.bts.gov/topics/national-transportation-statistics>.

Westview Housing Project

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Populate one of the following tables (Leave the other blank):

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 1,676,587		Daily Vehicle Trips: Average Trip Distance:

Fleet Class	Fleet Mix	Fuel Economy (MPG)	
Light Duty Auto (LDA)	0.554588	Passenger Vehicles	24.4
Light Duty Truck 1 (LDT1)	0.04168	Light-Med Duty Trucks	17.9
Light Duty Truck 2 (LDT2)	0.206638	Heavy Trucks/Other	7.5
Medium Duty Vehicle (MDV)	0.111313	Motorcycles	44
Light Heavy Duty 1 (LHD1)	0.012826		
Light Heavy Duty 2 (LHD2)	0.005773		
Medium Heavy Duty (MHD)	0.022313		
Heavy Heavy Duty (HHD)	0.034878		
Other Bus (OBUS)	0.002168		
Urban Bus (UBUS)	0.00149		
School Bus (SBUS)	0.000717		
Motorhome (MH)	0.00076		
Motorcycle (MCY)	0.004854		

Fleet Mix					
Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	55.46%	Gasoline	929815	0.00	38107
Light-Medium Duty Trucks	35.96%	Gasoline	602953	0.00	33685
Heavy Trucks/Other	8.09%	Diesel	135678	0.00	18090
Motorcycle	0.49%	Gasoline	8138	0.00	185
Total Gasoline Consumption (gallons)					71976.64
Total Diesel Consumption (gallons)					18090.37

Sources:

[1] United States Department of Transportation, Bureau of Transportation Statistics. 2019. National Transportation Statistics 2019. Available at: <https://www.bts.gov/topics/national-transportation-statistics>.