

Appendix B

Air Quality and Greenhouse Gas Emissions Worksheets

Air Quality Emissions Summary

AQ SUMMARY OF EMISSIONS							
Construction Emissions (Unmitigated)							
Regional (Daily) Unmitigated		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
	2023	8	98	77	<1	8	4
	2024	5	37	47	<1	4	2
	2025	31	35	47	<1	4	2
	MAX	31	98	77	<1	8	4
	Threshold	75	100	550	150	150	55
	Difference	(44)	(2)	(473)	(150)	(142)	(51)
	Impact	No	No	No	No	No	No
<i>Note: 2023 Maximum Daily Mitigated Emissions: ROG occurs during Building Construction; PM10 and PM2.5 occur during grading; and NOx and CO during Mat Foundation.</i>							
Localized (Daily) Unmitigated		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
	2023		58	58		3	2.6
	2024		33	41		1	1.3
	2025		31	40		1	1.2
	MAX		58	58		3	2.6
	Threshold		126	680		5	3
	Difference		(68)	(622)		(2)	(0.4)
	Impact		No	No		No	No
<i>Note: 2023 Unmitigated Maximum Daily On-Site Emissions: NOx, CO, PM10, and PM2.5 occur during Mat Foundation phase. 2025 Unmitigated Maximum Daily On-Site Emissions reflect Building Construction phase.</i>							
Operation Emissions (Without Mitigation Measures)							
Regional Baseline (Existing Year)		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
	Area	<1	<1	<1	<1	<1	<1
	Energy	<1	<1	<1	<1	<1	<1
	Mobile	3	3	25	<1	5	1
	Total	3	3	25	<1	5	1
Regional Proposed Uses (Buildout Year)		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
	Area	7	<1	22	<1	<1	<1
	Energy	<1	1	<1	<1	<1	<1
	Mobile	7	7	60	<1	14	4
	Emergency Generator	<1	2	2	<1	<1	<1
	Total	14	11	85	<1	14	4
	Threshold	55	55	550	150	150	55
	Difference	(41)	(44)	(465)	(150)	(136)	(51)
	Impact	No	No	No	No	No	No
<i>Note: Regional Proposed Uses includes emissions from mobile source Existing Uses.</i>							
Proposed Uses Localized (Buildout Year)							
	Onsite Total		4.0	25.3		0.25	0.25
	Threshold		126	680		2	1.0
	Difference		(122)	(655)		(2)	(1)
	Impact		No	No		No	No

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Artisan Hollywood Construction Analysis
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	320.00	Space	0.00	128,000.00	0
High Turnover (Sit Down Restaurant)	6.79	1000sqft	0.00	6,790.00	0
Apartments High Rise	270.00	Dwelling Unit	0.80	260,378.00	772

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	616	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.
- Land Use - Site specific square footage for land uses.
- Construction Phase - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Trips and VMT - Demolition Debris would be disposed of at Azusa landfill (29 miles one-way) and Export would be disposed of at Sunshine Canyon Landfill (20.5 miles one-way)
- Demolition -
- Grading -
- Architectural Coating -
- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Area Coating -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDays	5.00	64.00
tblConstructionPhase	NumDays	100.00	346.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	2.00	152.00
tblConstructionPhase	NumDays	5.00	44.00
tblConstructionPhase	NumDays	1.00	2.00
tblGrading	MaterialExported	0.00	69,333.00
tblLandUse	LandUseSquareFeet	270,000.00	260,378.00
tblLandUse	LotAcreage	2.88	0.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	4.35	0.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.029
tblProjectCharacteristics	CO2IntensityFactor	691.98	616
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.006
tblTripsAndVMT	HaulingTripNumber	153.00	0.00
tblTripsAndVMT	HaulingTripNumber	8,667.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	29.00
tblTripsAndVMT	VendorTripLength	6.90	25.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	670.00
tblTripsAndVMT	VendorTripNumber	51.00	80.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	44.00
tblTripsAndVMT	WorkerTripNumber	43.00	52.00
tblTripsAndVMT	WorkerTripNumber	33.00	132.00
tblTripsAndVMT	WorkerTripNumber	251.00	176.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	43.00	176.00

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary**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					
2023	7.6581	98.3801	77.2792	0.2760	5.5309	2.8958	8.4267	1.5040	2.7982	4.3023						29,307.1058
2024	4.6509	36.5352	47.2760	0.1024	2.4797	1.4154	3.8951	0.6693	1.3691	2.0384						9,982.7119
2025	31.3729	34.5483	46.6966	0.1016	2.4797	1.2418	3.7215	0.6693	1.1999	1.8692						9,896.7874
Maximum	31.3729	98.3801	77.2792	0.2760	5.5309	2.8958	8.4267	1.5040	2.7982	4.3023						29,307.1058

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					
2023	7.6581	98.3801	77.2792	0.2760	5.5309	2.8958	8.4267	1.5040	2.7982	4.3023						29,307.1058
2024	4.6509	36.5352	47.2760	0.1024	2.4797	1.4154	3.8951	0.6693	1.3691	2.0384						9,982.7119
2025	31.3729	34.5483	46.6966	0.1016	2.4797	1.2418	3.7215	0.6693	1.1999	1.8692						9,896.7874
Maximum	31.3729	98.3801	77.2792	0.2760	5.5309	2.8958	8.4267	1.5040	2.7982	4.3023						29,307.1058

	ROG	NOx	CO	SO2	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

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	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210
Energy	0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252
Mobile	5.3617	5.4175	49.5632	0.1035	11.5792	0.0780	11.6572	3.0845	0.0724	3.1569						10,725.9910
Total	82.7093	12.3106	209.7739	0.4614	11.5792	20.9080	32.4872	3.0845	20.9025	23.9870						19,691.8372

Mitigated Operational

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210
Energy	0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252
Mobile	5.3617	5.4175	49.5632	0.1035	11.5792	0.0780	11.6572	3.0845	0.0724	3.1569						10,725.9910
Total	82.7093	12.3106	209.7739	0.4614	11.5792	20.9080	32.4872	3.0845	20.9025	23.9870						19,691.8372

	ROG	NOx	CO	SO2	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	Demolition	Demolition	3/1/2023	3/31/2023	5	23	
2	Grading	Grading	4/1/2023	10/31/2023	5	152	
3	Mat Foundation	Site Preparation	11/1/2023	11/2/2023	5	2	
4	Building Construction	Building Construction	11/3/2023	2/28/2025	5	346	
5	Architectural Coating	Architectural Coating	2/1/2025	5/1/2025	5	64	
6	Overlap Building	Paving	3/1/2025	5/1/2025	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 527,265; Residential Outdoor: 175,755; Non-Residential Indoor: 10,185; Non-Residential Outdoor: 3,395; Striped Parking Area: 7,680

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Cranes	1	8.00	231	0.29
Demolition	Excavators	1	8.00	158	0.38
Demolition	Other Construction Equipment	1	4.00	172	0.42
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Air Compressors	1	8.00	78	0.48
Grading	Bore/Drill Rigs	3	8.00	221	0.50
Grading	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Cranes	1	8.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Grading	Generator Sets	1	8.00	84	0.74
Grading	Other Construction Equipment	1	4.00	172	0.42
Grading	Pumps	1	8.00	84	0.74
Grading	Rough Terrain Forklifts	1	8.00	100	0.40
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	205	0.36
Grading	Signal Boards	1	8.00	6	0.82
Grading	Skid Steer Loaders	1	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grading	Welders	1	8.00	46	0.45

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mat Foundation	Air Compressors	1	8.00	76	0.48
Mat Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
Mat Foundation	Cranes	3	16.00	231	0.29
Mat Foundation	Forklifts	1	8.00	89	0.20
Mat Foundation	Generator Sets	1	16.00	84	0.74
Mat Foundation	Graders	0	8.00	187	0.41
Mat Foundation	Other Construction Equipment	1	4.00	172	0.42
Mat Foundation	Pumps	4	16.00	84	0.74
Mat Foundation	Signal Boards	1	16.00	6	0.82
Mat Foundation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Signal Boards	1	8.00	6	0.82
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	4	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Overlap Building	Aerial Lifts	3	8.00	63	0.31
Overlap Building	Air Compressors	2	8.00	78	0.48
Overlap Building	Cement and Mortar Mixers	1	8.00	9	0.56
Overlap Building	Concrete/Industrial Saws	1	8.00	81	0.73
Overlap Building	Cranes	1	8.00	231	0.29
Overlap Building	Forklifts	1	8.00	89	0.20
Overlap Building	Generator Sets	1	8.00	84	0.74
Overlap Building	Other Construction Equipment	1	2.00	172	0.42
Overlap Building	Pavers	0	8.00	130	0.42
Overlap Building	Paving Equipment	1	8.00	132	0.36
Overlap Building	Plate Compactors	1	8.00	8	0.43
Overlap Building	Pumps	0	8.00	84	0.74
Overlap Building	Rollers	0	8.00	80	0.38
Overlap Building	Signal Boards	1	8.00	6	0.82
Overlap Building	Skid Steer Loaders	1	8.00	65	0.37
Overlap Building	Surfacing Equipment	0	8.00	263	0.30
Overlap Building	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Overlap Building	Trenchers	0	8.00	78	0.50
Overlap Building	Welders	1	8.00	46	0.45

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
Demolition	6	44.00	20.00	0.00	14.70	29.00	20.00	LD_Mix	HHDT	HHDT
Grading	17	52.00	200.00	0.00	14.70	25.00	20.00	LD_Mix	HHDT	HHDT
Mat Foundation	13	132.00	670.00	0.00	14.70	6.90	20.00	LD_Mix	HHDT	HHDT
Building Construction	23	176.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Overlap Building	17	176.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 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					
Fugitive Dust					1.4380	0.0000	1.4380	0.2177	0.0000	0.2177						0.0000
Off-Road	1.4549	12.9403	15.3970	0.0274		0.6231	0.6231		0.5911	0.5911						2,642.2722
Total	1.4549	12.9403	15.3970	0.0274	1.4380	0.6231	2.0612	0.2177	0.5911	0.8088						2,642.2722

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
Vendor	0.0504	3.7768	0.8852	0.0167	0.5074	0.0238	0.5313	0.1391	0.0228	0.1619						1,929.5663
Worker	0.1513	0.1084	1.4616	4.1200e-003	0.4918	2.9600e-003	0.4948	0.1304	2.7200e-003	0.1332						420.3492
Total	0.2017	3.8852	2.3468	0.0209	0.9993	0.0268	1.0260	0.2695	0.0255	0.2951						2,349.9154

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					0.5608	0.0000	0.5608	0.0849	0.0000	0.0849						0.0000
Off-Road	1.4549	12.9403	15.3970	0.0274		0.6231	0.6231		0.5911	0.5911						2,642.2722
Total	1.4549	12.9403	15.3970	0.0274	0.5608	0.6231	1.1840	0.0849	0.5911	0.6760						2,642.2722

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
Vendor	0.0504	3.7768	0.8852	0.0167	0.5074	0.0238	0.5313	0.1391	0.0228	0.1619						1,929.5663
Worker	0.1513	0.1084	1.4616	4.1200e-003	0.4918	2.9600e-003	0.4948	0.1304	2.7200e-003	0.1332						420.3492
Total	0.2017	3.8852	2.3468	0.0209	0.9993	0.0268	1.0260	0.2695	0.0255	0.2951						2,349.9154

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 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					
Fugitive Dust					0.0516	0.0000	0.0516	7.8100e-003	0.0000	7.8100e-003						0.0000
Off-Road	3.5832	31.6072	37.3865	0.0867		1.3309	1.3309		1.2699	1.2699						8,315.4874
Total	3.5832	31.6072	37.3865	0.0867	0.0516	1.3309	1.3824	7.8100e-003	1.2699	1.2777						8,315.4874

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
Vendor	0.4603	33.0926	8.0561	0.1450	4.3750	0.2057	4.5807	1.1994	0.1968	1.3962						16,716.8426
Worker	0.1788	0.1282	1.7274	4.8700e-003	0.5812	3.5000e-003	0.5847	0.1542	3.2200e-003	0.1574						496.7763
Total	0.6391	33.2207	9.7834	0.1499	4.9562	0.2092	5.1654	1.3536	0.2000	1.5536						17,213.6189

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					0.0201	0.0000	0.0201	3.0500e-003	0.0000	3.0500e-003						0.0000
Off-Road	3.5832	31.6072	37.3865	0.0867		1.3309	1.3309		1.2699	1.2699						8,315.4874
Total	3.5832	31.6072	37.3865	0.0867	0.0201	1.3309	1.3510	3.0500e-003	1.2699	1.2730						8,315.4874

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
Vendor	0.4603	33.0926	8.0561	0.1450	4.3750	0.2057	4.5807	1.1994	0.1968	1.3962						16,716.8426
Worker	0.1788	0.1282	1.7274	4.8700e-003	0.5812	3.5000e-003	0.5847	0.1542	3.2200e-003	0.1574						496.7763
Total	0.6391	33.2207	9.7834	0.1499	4.9562	0.2092	5.1654	1.3536	0.2000	1.5536						17,213.6189

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Mat Foundation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	6.3233	58.0660	57.9678	0.1166		2.6908	2.6908		2.6024	2.6024						11,136.3237
Total	6.3233	58.0660	57.9678	0.1166	0.0000	2.6908	2.6908	0.0000	2.6024	2.6024						11,136.3237

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
Vendor	0.8809	39.9888	14.9265	0.1470	4.0555	0.1962	4.2516	1.1127	0.1877	1.3004						16,909.7346
Worker	0.4539	0.3253	4.3849	0.0124	1.4755	8.8800e-003	1.4843	0.3913	8.1700e-003	0.3995						1,261.0475
Total	1.3348	40.3141	19.3114	0.1593	5.5309	0.2051	5.7359	1.5040	0.1959	1.6999						18,170.7821

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	6.3233	58.0660	57.9678	0.1166		2.6908	2.6908		2.6024	2.6024						11,136.3237
Total	6.3233	58.0660	57.9678	0.1166	0.0000	2.6908	2.6908	0.0000	2.6024	2.6024						11,136.3237

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
Vendor	0.8809	39.9888	14.9265	0.1470	4.0555	0.1962	4.2516	1.1127	0.1877	1.3004						16,909.7346
Worker	0.4539	0.3253	4.3849	0.0124	1.4755	8.8800e-003	1.4843	0.3913	8.1700e-003	0.3995						1,261.0475
Total	1.3348	40.3141	19.3114	0.1593	5.5309	0.2051	5.7359	1.5040	0.1959	1.6999						18,170.7821

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 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	4.2627	34.9888	40.8616	0.0717		1.5793	1.5793		1.5295	1.5295						6,699.6046
Total	4.2627	34.9888	40.8616	0.0717		1.5793	1.5793		1.5295	1.5295						6,699.6046

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
Vendor	0.0889	3.2150	1.2270	0.0149	0.5124	0.0155	0.5280	0.1476	0.0149	0.1624						1,675.1288
Worker	0.6052	0.4337	5.8465	0.0165	1.9673	0.0118	1.9791	0.5217	0.0109	0.5326						1,681.3967
Total	0.6941	3.6487	7.0735	0.0314	2.4797	0.0274	2.5071	0.6693	0.0258	0.6950						3,356.5255

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	4.2627	34.9888	40.8616	0.0717		1.5793	1.5793		1.5295	1.5295						6,699.6046
Total	4.2627	34.9888	40.8616	0.0717		1.5793	1.5793		1.5295	1.5295						6,699.6046

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
Vendor	0.0889	3.2150	1.2270	0.0149	0.5124	0.0155	0.5280	0.1476	0.0149	0.1624						1,675.1288
Worker	0.6052	0.4337	5.8465	0.0165	1.9673	0.0118	1.9791	0.5217	0.0109	0.5326						1,681.3967
Total	0.6941	3.6487	7.0735	0.0314	2.4797	0.0274	2.5071	0.6693	0.0258	0.6950						3,356.5255

3.5 Building Construction - 2024

Unmitigated Construction On-Site

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	3.9992	32.9266	40.6373	0.0717		1.3885	1.3885		1.3438	1.3438						6,699.3138
Total	3.9992	32.9266	40.6373	0.0717		1.3885	1.3885		1.3438	1.3438						6,699.3138

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
Vendor	0.0860	3.2216	1.2012	0.0147	0.5124	0.0156	0.5281	0.1476	0.0150	0.1625						1,650.1219
Worker	0.5657	0.3870	5.4375	0.0160	1.9673	0.0113	1.9786	0.5217	0.0104	0.5322						1,633.2763
Total	0.6517	3.6086	6.6388	0.0307	2.4797	0.0270	2.5067	0.6693	0.0254	0.6947						3,283.3981

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	3.9992	32.9266	40.6373	0.0717		1.3885	1.3885		1.3438	1.3438						6,699.3138
Total	3.9992	32.9266	40.6373	0.0717		1.3885	1.3885		1.3438	1.3438						6,699.3138

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
Vendor	0.0860	3.2216	1.2012	0.0147	0.5124	0.0156	0.5281	0.1476	0.0150	0.1625						1,650.1219
Worker	0.5657	0.3870	5.4375	0.0160	1.9673	0.0113	1.9786	0.5217	0.0104	0.5322						1,633.2763
Total	0.6517	3.6086	6.6388	0.0307	2.4797	0.0270	2.5067	0.6693	0.0254	0.6947						3,283.3981

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	3.7623	30.9943	40.4561	0.0717		1.2153	1.2153		1.1750	1.1750						6,698.8680
Total	3.7623	30.9943	40.4561	0.0717		1.2153	1.2153		1.1750	1.1750						6,698.8680

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
Vendor	0.0834	3.2065	1.1794	0.0144	0.5125	0.0157	0.5281	0.1476	0.0150	0.1626						1,620.5403
Worker	0.5306	0.3475	5.0610	0.0155	1.9673	0.0108	1.9781	0.5217	9.9300e-003	0.5317						1,577.3791
Total	0.6139	3.5540	6.2404	0.0299	2.4797	0.0265	2.5062	0.6693	0.0249	0.6942						3,197.9194

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	3.7623	30.9943	40.4561	0.0717		1.2153	1.2153		1.1750	1.1750						6,698.8680
Total	3.7623	30.9943	40.4561	0.0717		1.2153	1.2153		1.1750	1.1750						6,698.8680

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
Vendor	0.0834	3.2065	1.1794	0.0144	0.5125	0.0157	0.5281	0.1476	0.0150	0.1626						1,620.5403
Worker	0.5306	0.3475	5.0610	0.0155	1.9673	0.0108	1.9781	0.5217	9.9300e-003	0.5317						1,577.3791
Total	0.6139	3.5540	6.2404	0.0299	2.4797	0.0265	2.5062	0.6693	0.0249	0.6942						3,197.9194

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	lb/day										lb/day					
Archit. Coating	26.9967					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total	26.9967	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

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	26.9967					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total	26.9967	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

3.7 Overlap Building Construction/Paving/Landscape - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	lb/day										lb/day					
Off-Road	2.3080	19.6703	27.8979	0.0484		0.7861	0.7861		0.7555	0.7555						4,570.4501
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	2.3080	19.6703	27.8979	0.0484		0.7861	0.7861		0.7555	0.7555						4,570.4501

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
Vendor	0.0417	1.6033	0.5897	7.2000e-003	0.2562	7.8400e-003	0.2641	0.0738	7.5000e-003	0.0813						810.2702
Worker	0.5306	0.3475	5.0610	0.0155	1.9673	0.0108	1.9781	0.5217	9.9300e-003	0.5317						1,577.3791
Total	0.5722	1.9507	5.6507	0.0227	2.2235	0.0186	2.2421	0.5955	0.0174	0.6129						2,387.6493

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	2.3080	19.6703	27.8979	0.0484		0.7861	0.7861		0.7555	0.7555						4,570.4501
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	2.3080	19.6703	27.8979	0.0484		0.7861	0.7861		0.7555	0.7555						4,570.4501

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
Vendor	0.0417	1.6033	0.5897	7.2000e-003	0.2562	7.8400e-003	0.2641	0.0738	7.5000e-003	0.0813						810.2702
Worker	0.5306	0.3475	5.0610	0.0155	1.9673	0.0108	1.9781	0.5217	9.9300e-003	0.5317						1,577.3791
Total	0.5722	1.9507	5.6507	0.0227	2.2235	0.0186	2.2421	0.5955	0.0174	0.6129						2,387.6493

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3617	5.4175	49.5632	0.1035	11.5792	0.0780	11.6572	3.0845	0.0724	3.1569						10,725.991
Unmitigated	5.3617	5.4175	49.5632	0.1035	11.5792	0.0780	11.6572	3.0845	0.0724	3.1569						10,725.991

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,201.50	1,223.10	969.30	4,002,901	4,002,901
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	761.70	831.10	968.53	1,091,848	1,091,848
Total	1,963.20	2,054.20	1,937.83	5,094,748	5,094,748

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
Enclosed Parking with Elevator	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

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	0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252
NaturalGas Unmitigated	0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6665.52	0.0719	0.6143	0.2614	3.9200e-003		0.0497	0.0497		0.0497	0.0497						788.8392
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

High Turnover (Sit-Down Restaurant)	4284.77	0.0462	0.4201	0.3529	2.5200e-003		0.0319	0.0319		0.0319	0.0319						507.0860
Total		0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6.66552	0.0719	0.6143	0.2614	3.9200e-003		0.0497	0.0497		0.0497	0.0497						788.8392
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit-Down Restaurant)	4.28477	0.0462	0.4201	0.3529	2.5200e-003		0.0319	0.0319		0.0319	0.0319						507.0860
Total		0.1181	1.0344	0.6143	6.4400e-003		0.0816	0.0816		0.0816	0.0816						1,295.9252

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210
Unmitigated	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210

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	0.4734					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	5.3353					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	70.7497	5.6021	137.3090	0.3503		20.6249	20.6249		20.6249	20.6249						7,628.7755
Landscaping	0.6712	0.2566	22.2875	1.1800e-003		0.1236	0.1236		0.1236	0.1236						41.1455
Total	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210

Mitigated

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	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	0.4734					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	5.3353					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	70.7497	5.6021	137.3090	0.3503		20.6249	20.6249		20.6249	20.6249						7,628.7755
Landscaping	0.6712	0.2566	22.2875	1.1800e-003		0.1236	0.1236		0.1236	0.1236						41.1455
Total	77.2296	5.8587	159.5965	0.3515		20.7485	20.7485		20.7485	20.7485						7,669.9210

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

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

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Winter

Artisan Hollywood Existing Uses
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Strip Mall	29.83	1000sqft	0.88	29,828.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	770	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.

Land Use - Total acreage of site = 0.88 acres

Vehicle Trips - LADOT VMT: See Air Quality Appendix.

Woodstoves - Outdoor fire pits in common areas (Non Summer Days) and 90% of DUs per CalEEMod default.

Energy Use - Historical Data

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - SCAQMD BACT Requirements.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	29,830.00	29,828.00
tblLandUse	LotAcreage	0.68	0.88
tblProjectCharacteristics	CO2IntensityFactor	1227.89	770
tblVehicleTrips	CC_TL	8.40	6.64
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	ST_TR	0.00	833.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	SU_TR	0.00	405.00
tblVehicleTrips	WD_TR	44.32	0.00
tblVehicleTrips	WD_TR	0.00	878.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	0.6667	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003
Energy	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
Mobile	1.5552	7.2364	18.3442	0.0567	4.5126	0.0603	4.5729	1.2078	0.0565	1.2643						5,774.9367
Total	2.2235	7.2510	18.3596	0.0568	4.5126	0.0614	4.5740	1.2078	0.0577	1.2654						5,792.5457

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	0.6667	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003
Energy	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
Mobile	1.5552	7.2364	18.3442	0.0567	4.5126	0.0603	4.5729	1.2078	0.0565	1.2643						5,774.9367
Total	2.2235	7.2510	18.3596	0.0568	4.5126	0.0614	4.5740	1.2078	0.0577	1.2654						5,792.5457

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5552	7.2364	18.3442	0.0567	4.5126	0.0603	4.5729	1.2078	0.0565	1.2643						5,774.9367
Unmitigated	1.5552	7.2364	18.3442	0.0567	4.5126	0.0603	4.5729	1.2078	0.0565	1.2643						5,774.9367

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	0.00	0.00	0.00		
User Defined Commercial	878.00	833.00	405.00	1,943,236	1,943,236
Total	878.00	833.00	405.00	1,943,236	1,943,236

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
User Defined Commercial	0.00	6.64	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
User Defined Commercial	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
NaturalGas Unmitigated	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018

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					
Strip Mall	148.731	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018

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					
Strip Mall	0.148731	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Total		1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003						17.6018
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6667	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003
Unmitigated	0.6667	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0758					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.5906					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	3.0000e-004	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003
Total	0.6666	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0758					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.5906					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	3.0000e-004	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003
Total	0.6666	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						7.2000e-003

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

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

Artisan Hollywood Operation with MXD and PDFs - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Artisan Hollywood Operation with MXD and PDFs
Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	320.00	Space	0.00	128,000.00	0
High Turnover (Sit Down Restaurant)	10.80	1000sqft	0.00	10,805.00	0
Apartments High Rise	270.00	Dwelling Unit	0.80	260,378.00	772

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	616	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.

Land Use - Site specific square footage for land uses.

Vehicle Trips - Consistent with LADOT VMT Calculator

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Outdoor fire pits in common areas (Non Summer Days).

Area Coating -

Energy Use - Consistency with Section 120.6(c) of the CBC. See Air Quality Appendix.

Water And Wastewater -

Solid Waste -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - SCAQMD Rule 1470.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.50	0.41
tblFireplaces	FireplaceDayYear	25.00	115.00
tblFireplaces	FireplaceHourDay	3.00	5.00
tblFireplaces	NumberGas	229.50	6.00
tblFireplaces	NumberNoFireplace	27.00	0.00
tblFireplaces	NumberWood	13.50	0.00
tblLandUse	LandUseSquareFeet	10,800.00	10,805.00
tblLandUse	LandUseSquareFeet	270,000.00	260,378.00
tblLandUse	LotAcreage	2.88	0.00
tblLandUse	LotAcreage	0.25	0.00
tblLandUse	LotAcreage	4.35	0.80
tblProjectCharacteristics	CO2IntensityFactor	691.98	616
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.01
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.01
tblVehicleTrips	CC_TL	8.40	6.42

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	4.53	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	0.00	2,790.00
tblVehicleTrips	SU_TR	3.59	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	0.00	1,954.00
tblVehicleTrips	WD_TR	4.45	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	0.00	2,479.00
tblWoodstoves	NumberCatalytic	13.50	0.00
tblWoodstoves	NumberNoncatalytic	13.50	0.00

2.2 Overall 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	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698
Energy	0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707
Mobile	6.5983	6.5410	59.7397	0.1230	13.7278	0.0932	13.8210	3.6568	0.0865	3.7434						12,746.6558
Stationary	0.8205	2.2934	2.0922	3.9400e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003						421.2283
Total	14.1533	10.5397	85.0134	0.1371	13.7278	0.3387	14.0665	3.6568	0.3320	3.9889						15,017.8246

	ROG	NOx	CO	SO2	Fugitive 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	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698
Energy	0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707
Mobile	6.5983	6.5410	59.7397	0.1230	13.7278	0.0932	13.8210	3.6568	0.0865	3.7434						12,746.6558
Stationary	0.8205	2.2934	2.0922	3.9400e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003						421.2283
Total	14.1533	10.5397	85.0134	0.1371	13.7278	0.3387	14.0665	3.6568	0.3320	3.9889						15,017.8246

[illegible]

Artisan Hollywood Operation with MXD and PDFs - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5983	6.5410	59.7397	0.1230	13.7278	0.0932	13.8210	3.6568	0.0865	3.7434						12,746.655
Unmitigated	6.5983	6.5410	59.7397	0.1230	13.7278	0.0932	13.8210	3.6568	0.0865	3.7434						12,746.655

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
User Defined Commercial	2,479.00	2,790.00	1,954.00	5,721,684	5,721,684
Total	2,479.00	2,790.00	1,954.00	5,721,684	5,721,684

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
User Defined Commercial	0.00	6.42	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
Enclosed Parking with Elevator	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
User Defined Commercial	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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					
Natural Gas Mitigated	0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707
Natural Gas Unmitigated	0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707

5.2 Energy by Land Use - Natural Gas**Unmitigated**

Artisan Hollywood Operation with MXD and PDFs - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6665.52	0.0719	0.6143	0.2614	3.9200e-003		0.0497	0.0497		0.0497	0.0497						788.8392
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit Down Restaurant)	6818.4	0.0735	0.6685	0.5615	4.0100e-003		0.0508	0.0508		0.0508	0.0508						806.9315
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	6.66552	0.0719	0.6143	0.2614	3.9200e-003		0.0497	0.0497		0.0497	0.0497						788.8392
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit Down Restaurant)	6.8184	0.0735	0.6685	0.5615	4.0100e-003		0.0508	0.0508		0.0508	0.0508						806.9315
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.1454	1.2827	0.8229	7.9300e-003		0.1005	0.1005		0.1005	0.1005						1,595.7707

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698
Unmitigated	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698

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	0.4836					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	5.4148					0.0000	0.0000		0.0000	0.0000						0.0000

Artisan Hollywood Operation with MXD and PDFs - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Hearth	0.0194	0.1659	0.0706	1.0600e-003		0.0134	0.0134		0.0134	0.0134						213.0231
Landscaping	0.6713	0.2567	22.2880	1.1800e-003		0.1236	0.1236		0.1236	0.1236						41.1467
Total	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698

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	0.4836					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	5.4148					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	0.0194	0.1659	0.0706	1.0600e-003		0.0134	0.0134		0.0134	0.0134						213.0231
Landscaping	0.6713	0.2567	22.2880	1.1800e-003		0.1236	0.1236		0.1236	0.1236						41.1467
Total	6.5890	0.4225	22.3586	2.2400e-003		0.1370	0.1370		0.1370	0.1370						254.1698

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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
Emergency Generator	1	1	200	500	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator, Diesel	0.8205	2.2934	2.0922	3.9400e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003						421.2283

Artisan Hollywood Operation with MXD and PDFs - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.8205	2.2934	2.0922	3.9400e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003						421.2283
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11.0 Vegetation

Artisan Project
FUTURE WITH PROJECT CONDITIONS

Signalized Intersections			Weekday Morning Peak Hour													Weekday Afternoon Peak Hour												
#	N/S Street	E/W Street	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	Total	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	Total
1	Ivar Avenue	Selma Avenue	133	368	57	73	142	71	56	195	65	56	104	70	1,390	182	251	62	106	190	78	122	368	48	27	173	95	1,702
2	Ivar Avenue	Sunset Boulevard	289	108	46	97	1,688	44	24	36	9	13	1,326	147	3,827	244	92	55	63	1,639	58	102	201	26	38	1,580	242	4,340

Max Hourly: 3,827
Max Daily: 38,270

Max Hourly: 4,340
Max Daily: 43,400

CalEEMod Outputs

Construction Emissions - Annual

CalEEMod Output - Annual Construction

Year	CO2e
2022	2,026
2023	1,189
2024	333
30-year Amortized	118

Operational Emissions - Annual

Category	Baseline (Existing Year) CO2e	Baseline (Buildout Year) - Mobile CO2e	Project (Buildout Year) No MXD/PDFs CO2e	Project (Buildout Year) - With MXD/PDFs/MMs CO2e
Area	0	0	65	16
Energy	170	0	770	734
Mobile	736	1019	2762	1866
EV		0	(95)	(95)
Stationary		0	38	38
Waste	4	0	30	30
Water	18	0	112	112
Operations Total	928	1019	3682	2701
Construction Amortized			118	118
			3800	2819

ArtisanProject

VTM Calculations for CalEEMod Inputs (Buildout)

VTM Summary

Existing Generation Rates for Weekend Scalar (CalEEMod Defaults)			Rate (Daily)			Daily Trips		
		DU/TSF	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday
High-Turnover Sit-Down Restaurant	ksf	0	127.15	158.37	131.84	0	0	0
General Retail	ksf	29.828	44.32	42.04	20.43	1322	1254	609

Generation Rates for Weekend Scalar (CalEEMod Defaults)			Rate (Daily)			Daily Trips		
		DU/TSF	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday
General Retail	ksf	29.828	44.32	42.04	20.43	1322	1254	609
High-Turnover Sit-Down Restaurant	ksf	10.805	127.15	158.37	131.84	1374	1711	1425
Residential (DU)	DU	270	4.2	4.98	3.65	1134	1345	986
Parking Structure Unenclosed	PS	0	0	0	0	0	0	0
Parking Structure Enclosed	PS	320	0	0	0	0	0	0
Total						3830	4310	3019

Saturday Vs.					
Project	Weekday Trips	Saturday Trips	Sunday Trips	Weekday Ratio	Sunday Vs. Weekday Ratio
Existing Daily Trips	1322	1254	609	0.95	0.46
Project Daily Trips	3830	4310	3019	1.13	0.79

Project without TDM (MXD Data)

	Unadjusted Trips Pre MXD	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted Pre MXD VMT	MXD VMT	Percent Reduction for MXD
Home Based Work Production	241	-36.1%	154	7.3	1,759	1124	
Home Based Other Production	666	-54.1%	306	4.3	2,864	1,316	
Non-Home Based Other Production	788	-7.7%	727	7.4	5831	5380	
Home-Based Work Attraction	149	-49.0%	76	8.4	1252	638	
Home-Based Other Attraction	1411	-49.7%	710	5.8	8,184	4118	
Non-Home Based Other Attraction	552	-8.3%	506	6.6	3643	3340	
Total	3,807		2,479		23,533	15,916	32%
Residential VMT			460			2,440	3.9 Population 632
Work VMT			76			638	6.2 Employees 103

Project with TDM (MXD Data)

	Proposed Project			Project with Mitigation Measures					
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT			
Home Based Work Production	0.0%	154	1124	0.0%	154	1124			
Home Based Other Production	0.0%	306	1316	0.0%	306	1316			
Non-Home Based Other Production	0.0%	727	5380	0.0%	727	5380			
Home-Based Work Attraction	0.0%	76	638	0.0%	76	638			
Home-Based Other Attraction	0.0%	710	4118	0.0%	710	4118			
Non-Home Based Other Attraction	0.0%	506	3340	0.0%	506	3340	32%		
Total		2,479	15,916		2,479	15,916			
Residential VMT			2,440			2,440	3.9	Population	632
			638			638	6.2	Employees	103

Source: Gibson Trasnportation Consulting, Inc.

CalEEMod Inputs - PASTE THIS INTO CALEEMOD INPUT FILE

VehicleTripsLandUseSubType	VehicleTripsLandUseSizeMetric	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL	CW_TL	CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP	CW_TTP	CNW_TTP
Existing User Defined Commercial	User Defined Unit	878	833	405	0	0	0	6.64	0	0	100	0	0	0	0	0	100	0	0
No MXD User Defined Res. (VMT)	User Defined Unit	3,807	4,284	3,001	0	0	0	6.18	0	0	100	0	0	0	0	0	100	0	0
Project User Defined Res. (VMT)	User Defined Unit	2,479	2,790	1,954	0	0	0	6.42	0	0	100	0	0	0	0	0	100	0	0
Project TDM/MM User Defined Res. (VMT)	User Defined Unit	2,479	2,790	1,954	0	0	0	6.42	0	0	100	0	0	0	0	0	100	0	0

GHG Emissions Reductions for Residential Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugins)**Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle**

LADWP Electricity Emission Factor ¹	0.28 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Electric Vehicle GHG Emissions	92.2 grams/mile
GHG Emissions from Residential Miles Traveled (CalEEMod) ³	178.3 grams/mile
GHG Emissions Reduction from Additional Electric Vehicles, per mile	86.1 grams/mile

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Residential Average Yearly VMT ⁴	5,809,340 miles/year
Percent of Residential Miles Driven in Electric Vehicles due to this Measure	20.0%
Residential VMT that is Displaced by EVs due to this Measure	1,161,868 miles/year
GHG Emissions Reduction from Residential Electric Vehicles	100 MTCO ₂ E/MWh

Energy Usage for Charging Vehicles **383,416 kWh/year**

Notes:

- 1) CO₂ intensity factor reflects a 2025 RPS for LADWP (616 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2021. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CalEEMod Output file provided in Appendix XX.X of this Draft EIR.
- 4) Residential charging of vehicles would primarily occur over night, while commercial use charging of vehicles would primarily occur during the day. In addition, it is assumed that the charging stations/plugins for residential uses would be fully utilized which is supported by the projected number of electric vehicles in the future. Bloomberg New Energy Finance projects that electric vehicles will represent 35 percent of global new car sales by 2040 (<https://about.bnef.com/blog/electric-vehicles-to-be-35-of-global-new-car-sales-by-2040/>).

GHG Emissions Reductions for Commercial Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugins)**Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle**

LADWP Electricity Emission Factor ^{1/A32}	0.28 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Gasoline/Diesel CO ₂ Emissions While Running ³	204.6 grams/mile
Annual VMT Reduction per Parking Spot ⁴	9,125 miles/charging station/year
Number of On-Site Chargers ⁵	32
Annual VMT Reduction All Stations/Plugins (Based on Charge)	292,000

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugins

GHG Emissions of Gasoline/Diesel Vehicle	60 MTCO ₂ E/MWh
GHG Emissions of Electric Vehicle	27 MTCO ₂ E/MWh
GHG Emissions Reduction	33 MTCO ₂ E/MWh

Notes:

- 1) CO₂ intensity factor reflects a 2025 RPS for LADWP (616 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CARB, 2017. EMFAC2014, running exhaust emission rate for CO₂ and CH₄ for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2035.
- 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 20% of the miles charged would be driven by the charged vehicles.
- 5) City Code requires 10% of parking spaces to be equipped with EV chargers.

Calculation of Parking Garage Ventilation Energy Factor

Full Power Ventilation Flowrate:	0.5 cfm/sf	Section 120.6(c) of California Building Code, Mandatory Requirements for Enclosed Parking Garages, provides a minimum 0.15 cfm/sf flowrate. Conservatively assumed 0.5 cfm/sf.
Fan Horsepower/1,000 sf:	0.19 hp/1,000 sf	Fan Horsepower = (CFM x Static Pressure of 1.6 in WC)/(6356 x Motor Fan Efficiency of 65%)
Setback Mode Power Ventilation Flowrate:	0.05 cfm/sf	Energy Star technical reference recommends a minimum flow rate of 0.05 cfm/sf when fan is in setback mode.
Fan Horsepower/1,000 sf:	0.02 hp/1,000 sf	Fan Horsepower = (CFM x Static Pressure of 1.6 in WC)/(6356 x Motor Fan Efficiency of 65%)
Fan Horsepower/1,000 sf per Day:	1.51 hp/1,000 sf/Day	Energy Star technical reference recommends 6 hours per day at full power and 18 hours per day at 0.05 cfm/sf in setback mode.
Horsepower to kW Conv.	0.746 kW per hp	
Fan kW/1,000 sf per Day:	1.13 kW/1,000 sf/Day	
Annual kW/sf	0.41 kWh/sf Annual	

SB100 - Renewable Portfolio Standards

Year	% RPS	RPS Reduction (%)	Carbon Intensity (lbs/MWh)
2015	20	-20%	1131
2016	29	-31%	834
2017	31	-6%	780
2020	33	-6%	733
2026	46	-29%	520
2030	60	-23%	403
2036	65	-8%	372
2045	100	-35%	0

Build Out Year	Carbon Intensity (lbs/MWh)
2020	770
2025	616

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	320.00	Space	0.00	128,000.00	0
High Turnover (Sit Down Restaurant)	6.79	1000sqft	0.00	6,790.00	0
Apartments High Rise	270.00	Dwelling Unit	0.80	260,378.00	772

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWahr)	616	CH4 Intensity (lb/MWahr)	0.029	N2O Intensity (lb/MWahr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.
- Land Use - Site specific square footage for land uses.
- Construction Phase - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Off-road Equipment - Site Specific Constrution Assumptions for High-Rise Structure
- Trips and VMT - Demolition Debris would be disposed of at Azusa landfill (29 miles one-way) and Export would be disposed of at Sunshine Canyon Landfill (20.5 miles one-way)
- Demolition -
- Grading -
- Architectural Coating -
- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Area Coating -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDays	5.00	64.00
tblConstructionPhase	NumDays	100.00	346.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	2.00	152.00
tblConstructionPhase	NumDays	5.00	44.00
tblConstructionPhase	NumDays	1.00	2.00
tblGrading	MaterialExported	0.00	69,333.00
tblLandUse	LandUseSquareFeet	270,000.00	260,378.00
tblLandUse	LotAcreage	2.88	0.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	4.35	0.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.029
tblProjectCharacteristics	CO2IntensityFactor	691.98	616
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.006
tblTripsAndVMT	HaulingTripNumber	153.00	0.00
tblTripsAndVMT	HaulingTripNumber	8,667.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	29.00
tblTripsAndVMT	VendorTripLength	6.90	25.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	670.00
tblTripsAndVMT	VendorTripNumber	51.00	80.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	44.00
tblTripsAndVMT	WorkerTripNumber	43.00	52.00
tblTripsAndVMT	WorkerTripNumber	33.00	132.00
tblTripsAndVMT	WorkerTripNumber	251.00	176.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	43.00	176.00

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2.0 Emissions Summary

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					
2023	0.4484	6.0389	4.8508	0.0209	0.4572	0.1603	0.6175	0.1224	0.1535	0.2758						2,026.2462
2024	0.6036	4.7884	6.2087	0.0134	0.3187	0.1854	0.5041	0.0862	0.1794	0.2655						1,189.0518
2025	1.0195	1.2191	1.7470	3.7600e-003	0.1003	0.0444	0.1447	0.0270	0.0428	0.0698						332.7778
Maximum	1.0195	6.0389	6.2087	0.0209	0.4572	0.1854	0.6175	0.1224	0.1794	0.2758						2,026.2462

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					
2023	0.4484	6.0389	4.8508	0.0209	0.4447	0.1603	0.6050	0.1205	0.1535	0.2740						2,026.2453
2024	0.6036	4.7884	6.2087	0.0134	0.3187	0.1854	0.5041	0.0862	0.1794	0.2655						1,189.0508
2025	1.0195	1.2191	1.7470	3.7600e-003	0.1003	0.0444	0.1447	0.0270	0.0428	0.0698						332.7775
Maximum	1.0195	6.0389	6.2087	0.0209	0.4447	0.1854	0.6050	0.1205	0.1794	0.2740						2,026.2453

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.42	0.00	0.99	0.80	0.00	0.31	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)			
9	1-15-2023	4-14-2023	0.5430				0.5430			
10	4-15-2023	7-14-2023	2.1997				2.1997			
11	7-15-2023	10-14-2023	2.2307				2.2307			
12	10-15-2023	1-14-2024	1.6195				1.6195			
13	1-15-2024	4-14-2024	1.3375				1.3375			
14	4-15-2024	7-14-2024	1.3314				1.3314			
15	7-15-2024	10-14-2024	1.3472				1.3472			
16	10-15-2024	1-14-2025	1.4645				1.4645			
17	1-15-2025	4-14-2025	2.1162				2.1162			
18	4-15-2025	7-14-2025	0.3118				0.3118			
		Highest	2.2307				2.2307			

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					

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Area	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733						91.1747
Energy	0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						782.5011
Mobile	0.8740	0.9177	8.3566	0.0176	1.9143	0.0131	1.9274	0.5107	0.0122	0.5229						1,656.0392
Waste						0.0000	0.0000		0.0000	0.0000						103.0948
Water						0.0000	0.0000		0.0000	0.0000						133.5207
Total	2.9239	1.2086	12.9710	0.0233	1.9143	0.3012	2.2155	0.5107	0.3003	0.8110						2,766.3306

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733						91.1747
Energy	0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						782.5011
Mobile	0.8740	0.9177	8.3566	0.0176	1.9143	0.0131	1.9274	0.5107	0.0122	0.5229						1,656.0392
Waste						0.0000	0.0000		0.0000	0.0000						103.0948
Water						0.0000	0.0000		0.0000	0.0000						133.5207
Total	2.9239	1.2086	12.9710	0.0233	1.9143	0.3012	2.2155	0.5107	0.3003	0.8110						2,766.3306

	ROG	NOx	CO	SO2	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	Demolition	Demolition	3/1/2023	3/31/2023	5	23	
2	Grading	Grading	4/1/2023	10/31/2023	5	152	
3	Mat Foundation	Site Preparation	11/1/2023	11/2/2023	5	2	
4	Building Construction	Building Construction	11/3/2023	2/28/2025	5	346	
5	Architectural Coating	Architectural Coating	2/1/2025	5/1/2025	5	64	
6	Overlap Building	Paving	3/1/2025	5/1/2025	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 527,265; Residential Outdoor: 175,755; Non-Residential Indoor: 10,185; Non-Residential Outdoor: 3,395; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Cranes	1	8.00	231	0.29
Demolition	Excavators	1	8.00	158	0.38
Demolition	Other Construction Equipment	1	4.00	172	0.42
Demolition	Rubber Tired Dozers	0	1.00	247	0.40

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Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Air Compressors	1	8.00	78	0.48
Grading	Bore/Drill Rigs	3	8.00	221	0.50
Grading	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Cranes	1	8.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Grading	Generator Sets	1	8.00	84	0.74
Grading	Other Construction Equipment	1	4.00	172	0.42
Grading	Pumps	1	8.00	84	0.74
Grading	Rough Terrain Forklifts	1	8.00	100	0.40
Grading	Rubber Tired Dozers	0	1.00	24	0.40
Grading	Rubber Tired Loaders	1	8.00	20	0.36
Grading	Signal Boards	1	8.00	6	0.82
Grading	Skid Steer Loaders	1	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grading	Welders	1	8.00	46	0.45
Mat Foundation	Air Compressors	1	8.00	78	0.48
Mat Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
Mat Foundation	Cranes	3	16.00	231	0.29
Mat Foundation	Forklifts	1	8.00	89	0.20
Mat Foundation	Generator Sets	1	16.00	84	0.74
Mat Foundation	Graders	0	8.00	187	0.41
Mat Foundation	Other Construction Equipment	1	4.00	172	0.42
Mat Foundation	Pumps	4	16.00	84	0.74
Mat Foundation	Signal Boards	1	16.00	6	0.82
Mat Foundation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Signal Boards	1	8.00	6	0.82
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	4	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Overlap Building	Aerial Lifts	3	8.00	63	0.31
Overlap Building	Air Compressors	2	8.00	78	0.48
Overlap Building	Cement and Mortar Mixers	1	8.00	9	0.56
Overlap Building	Concrete/Industrial Saws	1	8.00	81	0.73
Overlap Building	Cranes	1	8.00	231	0.29
Overlap Building	Forklifts	1	8.00	89	0.20
Overlap Building	Generator Sets	1	8.00	84	0.74
Overlap Building	Other Construction Equipment	1	2.00	172	0.42
Overlap Building	Pavers	0	8.00	130	0.42
Overlap Building	Paving Equipment	1	8.00	132	0.36
Overlap Building	Plate Compactors	1	8.00	8	0.43
Overlap Building	Pumps	0	8.00	84	0.74
Overlap Building	Rollers	0	8.00	80	0.38
Overlap Building	Signal Boards	1	8.00	6	0.82
Overlap Building	Skid Steer Loaders	1	8.00	65	0.37
Overlap Building	Surfacing Equipment	0	8.00	263	0.30

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Overlap Building	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Overlap Building	Trenchers	0	8.00	78	0.50
Overlap Building	Welders	1	8.00	46	0.45

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
Demolition	6	44.00	20.00	0.00	14.70	29.00	20.00	LD_Mix	HHDT	HHDT
Grading	17	52.00	200.00	0.00	14.70	25.00	20.00	LD_Mix	HHDT	HHDT
Mat Foundation	13	132.00	670.00	0.00	14.70	6.90	20.00	LD_Mix	HHDT	HHDT
Building Construction	23	176.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Overlap Building	17	176.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0165	0.0000	0.0165	2.5000e-003	0.0000	2.5000e-003						0.0000
Off-Road	0.0167	0.1488	0.1771	3.1000e-004		7.1700e-003	7.1700e-003		6.8000e-003	6.8000e-003						27.5658
Total	0.0167	0.1488	0.1771	3.1000e-004	0.0165	7.1700e-003	0.0237	2.5000e-003	6.8000e-003	9.3000e-003						27.5658

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
Vendor	6.0000e-004	0.0439	0.0101	1.9000e-004	5.7400e-003	2.7000e-004	6.0100e-003	1.5800e-003	2.6000e-004	1.8400e-003						20.1219
Worker	1.6100e-003	1.2700e-003	0.0172	5.0000e-005	5.5400e-003	3.0000e-005	5.5800e-003	1.4700e-003	3.0000e-005	1.5000e-003						4.4507
Total	2.2100e-003	0.0452	0.0274	2.4000e-004	0.0113	3.0000e-004	0.0116	3.0500e-003	2.9000e-004	3.3400e-003						24.5726

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					6.4500e-003	0.0000	6.4500e-003	9.8000e-004	0.0000	9.8000e-004						0.0000
Off-Road	0.0167	0.1488	0.1771	3.1000e-004		7.1700e-003	7.1700e-003		6.8000e-003	6.8000e-003						27.5658

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Total	0.0167	0.1488	0.1771	3.1000e-004	6.4500e-003	7.1700e-003	0.0136	9.8000e-004	6.8000e-003	7.7800e-003						27.5658
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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
Vendor	6.0000e-004	0.0439	0.0101	1.9000e-004	5.7400e-003	2.7000e-004	6.0100e-003	1.5800e-003	2.6000e-004	1.8400e-003						20.1219
Worker	1.6100e-003	1.2700e-003	0.0172	5.0000e-005	5.5400e-003	3.0000e-005	5.5800e-003	1.4700e-003	3.0000e-005	1.5000e-003						4.4507
Total	2.2100e-003	0.0452	0.0274	2.4000e-004	0.0113	3.0000e-004	0.0116	3.0500e-003	2.9000e-004	3.3400e-003						24.5726

3.3 Grading - 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					
Fugitive Dust					3.9200e-003	0.0000	3.9200e-003	5.9000e-004	0.0000	5.9000e-004						0.0000
Off-Road	0.2723	2.4022	2.8414	6.5900e-003		0.1011	0.1011		0.0965	0.0965						573.3199
Total	0.2723	2.4022	2.8414	6.5900e-003	3.9200e-003	0.1011	0.1051	5.9000e-004	0.0965	0.0971						573.3199

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
Vendor	0.0362	2.5420	0.6079	0.0110	0.3268	0.0156	0.3424	0.0898	0.0149	0.1047						1,151.9947
Worker	0.0125	9.9600e-003	0.1347	3.8000e-004	0.0433	2.7000e-004	0.0436	0.0115	2.4000e-004	0.0118						34.7614
Total	0.0488	2.5520	0.7425	0.0114	0.3701	0.0159	0.3860	0.1013	0.0152	0.1165						1,186.7561

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					1.5300e-003	0.0000	1.5300e-003	2.3000e-004	0.0000	2.3000e-004						0.0000
Off-Road	0.2723	2.4022	2.8414	6.5900e-003		0.1011	0.1011		0.0965	0.0965						573.3193

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.2723	2.4022	2.8414	6.5900e-003	1.5300e-003	0.1011	0.1027	2.3000e-004	0.0965	0.0967						573.3193
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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
Vendor	0.0362	2.5420	0.6079	0.0110	0.3268	0.0156	0.3424	0.0898	0.0149	0.1047						1,151.9947
Worker	0.0125	9.9600e-003	0.1347	3.8000e-004	0.0433	2.7000e-004	0.0436	0.0115	2.4000e-004	0.0118						34.7614
Total	0.0488	2.5520	0.7425	0.0114	0.3701	0.0159	0.3860	0.1013	0.0152	0.1165						1,186.7561

3.4 Mat Foundation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	6.3200e-003	0.0581	0.0580	1.2000e-004		2.6900e-003	2.6900e-003		2.6000e-003	2.6000e-003						10.1027
Total	6.3200e-003	0.0581	0.0580	1.2000e-004	0.0000	2.6900e-003	2.6900e-003	0.0000	2.6000e-003	2.6000e-003						10.1027

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
Vendor	9.4000e-004	0.0399	0.0147	1.5000e-004	3.9900e-003	2.0000e-004	4.1800e-003	1.1000e-003	1.9000e-004	1.2800e-003						15.3153
Worker	4.2000e-004	3.3000e-004	4.5000e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	3.9000e-004						1.1611
Total	1.3600e-003	0.0403	0.0192	1.6000e-004	5.4400e-003	2.1000e-004	5.6400e-003	1.4800e-003	2.0000e-004	1.6700e-003						16.4764

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	6.3200e-003	0.0581	0.0580	1.2000e-004		2.6900e-003	2.6900e-003		2.6000e-003	2.6000e-003						10.1027

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	6.3200e-003	0.0581	0.0580	1.2000e-004	0.0000	2.6900e-003	2.6900e-003	0.0000	2.6000e-003	2.6000e-003						10.1027
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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
Vendor	9.4000e-004	0.0399	0.0147	1.5000e-004	3.9900e-003	2.0000e-004	4.1800e-003	1.1000e-003	1.9000e-004	1.2800e-003						15.3153
Worker	4.2000e-004	3.3000e-004	4.5000e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	3.9000e-004						1.1611
Total	1.3600e-003	0.0403	0.0192	1.6000e-004	5.4400e-003	2.1000e-004	5.6400e-003	1.4800e-003	2.0000e-004	1.6700e-003						16.4764

3.5 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	0.0874	0.7173	0.8377	1.4700e-003		0.0324	0.0324		0.0314	0.0314						124.5945
Total	0.0874	0.7173	0.8377	1.4700e-003		0.0324	0.0324		0.0314	0.0314						124.5945

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
Vendor	1.8500e-003	0.0661	0.0247	3.1000e-004	0.0103	3.2000e-004	0.0107	2.9800e-003	3.0000e-004	3.2900e-003						31.1226
Worker	0.0115	9.0900e-003	0.1229	3.4000e-004	0.0395	2.4000e-004	0.0398	0.0105	2.2000e-004	0.0107						31.7356
Total	0.0133	0.0752	0.1477	6.5000e-004	0.0499	5.6000e-004	0.0504	0.0135	5.2000e-004	0.0140						62.8582

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	0.0874	0.7173	0.8377	1.4700e-003		0.0324	0.0324		0.0314	0.0314						124.5943
Total	0.0874	0.7173	0.8377	1.4700e-003		0.0324	0.0324		0.0314	0.0314						124.5943

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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
Vendor	1.8500e-003	0.0661	0.0247	3.1000e-004	0.0103	3.2000e-004	0.0107	2.9800e-003	3.0000e-004	3.2900e-003						31.1226
Worker	0.0115	9.0900e-003	0.1229	3.4000e-004	0.0395	2.4000e-004	0.0398	0.0105	2.2000e-004	0.0107						31.7356
Total	0.0133	0.0752	0.1477	6.5000e-004	0.0499	5.6000e-004	0.0504	0.0135	5.2000e-004	0.0140						62.8582

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5239	4.3134	5.3235	9.3900e-003		0.1819	0.1819		0.1760	0.1760						796.1545
Total	0.5239	4.3134	5.3235	9.3900e-003		0.1819	0.1819		0.1760	0.1760						796.1545

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
Vendor	0.0115	0.4232	0.1548	1.9200e-003	0.0661	2.0400e-003	0.0681	0.0191	1.9500e-003	0.0210						195.9079
Worker	0.0682	0.0518	0.7305	2.1300e-003	0.2527	1.4800e-003	0.2541	0.0671	1.3700e-003	0.0685						196.9894
Total	0.0797	0.4750	0.8852	4.0500e-003	0.3187	3.5200e-003	0.3222	0.0862	3.3200e-003	0.0895						392.8973

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	0.5239	4.3134	5.3235	9.3900e-003		0.1819	0.1819		0.1760	0.1760						796.1536
Total	0.5239	4.3134	5.3235	9.3900e-003		0.1819	0.1819		0.1760	0.1760						796.1536

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Vendor	0.0115	0.4232	0.1548	1.9200e-003	0.0661	2.0400e-003	0.0681	0.0191	1.9500e-003	0.0210						195.9079
Worker	0.0682	0.0518	0.7305	2.1300e-003	0.2527	1.4800e-003	0.2541	0.0671	1.3700e-003	0.0685						196.9894
Total	0.0797	0.4750	0.8852	4.0500e-003	0.3187	3.5200e-003	0.3222	0.0862	3.3200e-003	0.0895						392.8973

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0809	0.6664	0.8698	1.5400e-003		0.0261	0.0261		0.0253	0.0253						130.6579
Total	0.0809	0.6664	0.8698	1.5400e-003		0.0261	0.0261		0.0253	0.0253						130.6579

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
Vendor	1.8300e-003	0.0691	0.0249	3.1000e-004	0.0108	3.4000e-004	0.0112	3.1300e-003	3.2000e-004	3.4500e-003						31.5758
Worker	0.0105	7.6300e-003	0.1116	3.4000e-004	0.0415	2.3000e-004	0.0417	0.0110	2.1000e-004	0.0112						31.2228
Total	0.0123	0.0768	0.1365	6.5000e-004	0.0523	5.7000e-004	0.0529	0.0141	5.3000e-004	0.0147						62.7986

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	0.0809	0.6664	0.8698	1.5400e-003		0.0261	0.0261		0.0253	0.0253						130.6577
Total	0.0809	0.6664	0.8698	1.5400e-003		0.0261	0.0261		0.0253	0.0253						130.6577

Mitigated Construction Off-Site

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	1.8300e-003	0.0691	0.0249	3.1000e-004	0.0108	3.4000e-004	0.0112	3.1300e-003	3.2000e-004	3.4500e-003						31.5758
Worker	0.0105	7.6300e-003	0.1116	3.4000e-004	0.0415	2.3000e-004	0.0417	0.0110	2.1000e-004	0.0112						31.2228
Total	0.0123	0.0768	0.1365	6.5000e-004	0.0523	5.7000e-004	0.0529	0.0141	5.3000e-004	0.0147						62.7986

3.6 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8639					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8639	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Unmitigated Construction Off-Site

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

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	0.8639					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8639	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000

Mitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.7 Overlap Building Construction/Paving/Landscape - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0508	0.4328	0.6138	1.0600e-003		0.0173	0.0173		0.0166	0.0166						91.2173
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.0508	0.4328	0.6138	1.0600e-003		0.0173	0.0173		0.0166	0.0166						91.2173

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
Vendor	9.4000e-004	0.0354	0.0128	1.6000e-004	5.5500e-003	1.7000e-004	5.7200e-003	1.6000e-003	1.6000e-004	1.7700e-003						16.1551
Worker	0.0107	7.8100e-003	0.1142	3.5000e-004	0.0424	2.4000e-004	0.0427	0.0113	2.2000e-004	0.0115						31.9489
Total	0.0117	0.0432	0.1269	5.1000e-004	0.0480	4.1000e-004	0.0484	0.0129	3.8000e-004	0.0133						48.1039

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	0.0508	0.4328	0.6138	1.0600e-003		0.0173	0.0173		0.0166	0.0166						91.2172
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.0508	0.4328	0.6138	1.0600e-003		0.0173	0.0173		0.0166	0.0166						91.2172

Mitigated Construction Off-Site

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.4000e-004	0.0354	0.0128	1.6000e-004	5.5500e-003	1.7000e-004	5.7200e-003	1.6000e-003	1.6000e-004	1.7700e-003						16.1551
Worker	0.0107	7.8100e-003	0.1142	3.5000e-004	0.0424	2.4000e-004	0.0427	0.0113	2.2000e-004	0.0115						31.9489
Total	0.0117	0.0432	0.1269	5.1000e-004	0.0480	4.1000e-004	0.0484	0.0129	3.8000e-004	0.0133						48.1039

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8740	0.9177	8.3566	0.0176	1.9143	0.0131	1.9274	0.5107	0.0122	0.5229						1,656.0392
Unmitigated	0.8740	0.9177	8.3566	0.0176	1.9143	0.0131	1.9274	0.5107	0.0122	0.5229						1,656.0392

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments High Rise	1,201.50	1,223.10	969.30	4,002,901	4,002,901		
Enclosed Parking with Elevator	0.00	0.00	0.00				
High Turnover (Sit Down Restaurant)	761.70	831.10	968.53	1,091,848	1,091,848		
Total	1,963.20	2,054.20	1,937.83	5,094,748	5,094,748		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
Enclosed Parking with Elevator	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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						567.9462
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						567.9462
NaturalGas Mitigated	0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						214.5550
NaturalGas Unmitigated	0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						214.5550

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 High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit-Down Restaurant)	1.56394e+006	8.4300e-003	0.0767	0.0644	4.6000e-004		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003						83.9538
Total		0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						214.5550

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 High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit-Down Restaurant)	1.56394e+006	8.4300e-003	0.0767	0.0644	4.6000e-004		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003						83.9538
Total		0.0216	0.1888	0.1121	1.1800e-003		0.0149	0.0149		0.0149	0.0149						214.5550

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.03426e+006				290.1643
Enclosed Parking with Elevator	696320				195.3545
High Turnover (Sit-Down Restaurant)	293803				82.4273
Total					567.9462

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.03426e+006				290.1643
Enclosed Parking with Elevator	696320				195.3545
High Turnover (Sit Down Restaurant)	293803				82.4273
Total					567.9462

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733						91.1747
Unmitigated	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733						91.1747

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	0.0864					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.9737					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	0.8844	0.0700	1.7164	4.3800e-003		0.2578	0.2578		0.2578	0.2578						86.5089
Landscaping	0.0839	0.0321	2.7859	1.5000e-004		0.0155	0.0155		0.0155	0.0155						4.6658
Total	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733						91.1747

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					

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	0.0864					0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	0.9737					0.0000	0.0000		0.0000	0.0000					0.0000
Hearth	0.8844	0.0700	1.7164	4.3800e-003		0.2578	0.2578		0.2578	0.2578					86.5089
Landscaping	0.0839	0.0321	2.7859	1.5000e-004		0.0155	0.0155		0.0155	0.0155					4.6658
Total	2.0284	0.1021	4.5023	4.5300e-003		0.2733	0.2733		0.2733	0.2733					91.1747

7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				133.5207
Unmitigated				133.5207

7.2 Water by Land Use**Unmitigated**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
Apartments High Rise	17.5916 / 11.0903			122.7764
Enclosed Parking with Elevator	0 / 0			0.0000
High Turnover (Sit Down Restaurant)	2.06099 / 0.131553			10.7444
Total				133.5208

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
Apartments High Rise	17.5916 / 11.0903			122.7764
Enclosed Parking with Elevator	0 / 0			0.0000
High Turnover (Sit Down Restaurant)	2.06099 / 0.131553			10.7444
Total				133.5208

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				103.0948
Unmitigated				103.0948

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	124.2				62.4604
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	80.8				40.6344
Total					103.0948

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	124.2				62.4604
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	80.8				40.6344
Total					103.0948

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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Artisan Hollywood Construction Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Artisan Hollywood Existing Uses
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Strip Mall	29.83	1000sqft	0.88	29,828.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	770	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.

Land Use - Total acreage of site = 0.88 acres

Vehicle Trips - LADOT VMT: See Air Quality Appendix.

Energy Use - Historical Data

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	29,830.00	29,828.00
tblLandUse	LotAcreage	0.68	0.88
tblProjectCharacteristics	CO2IntensityFactor	691.98	770
tblVehicleTrips	CC_TL	8.40	6.64
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	ST_TR	0.00	833.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	SU_TR	0.00	405.00
tblVehicleTrips	WD_TR	44.32	0.00
tblVehicleTrips	WD_TR	0.00	878.00

2.0 Emissions Summary

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	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Energy	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						169.6196
Mobile	0.4301	0.5645	4.1838	7.8300e-003	0.7301	8.7300e-003	0.7388	0.1948	8.1700e-003	0.2029						736.1768
Waste						0.0000	0.0000		0.0000	0.0000						15.7509
Water						0.0000	0.0000		0.0000	0.0000						18.3514
Total	0.5520	0.5671	4.1865	7.8500e-003	0.7301	8.9300e-003	0.7390	0.1948	8.3700e-003	0.2031						939.8994

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	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004
Energy	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						169.6196
Mobile	0.4301	0.5645	4.1838	7.8300e-003	0.7301	8.7300e-003	0.7388	0.1948	8.1700e-003	0.2029						736.1768
Waste						0.0000	0.0000		0.0000	0.0000						3.7172
Water						0.0000	0.0000		0.0000	0.0000						18.3514
Total	0.5520	0.5671	4.1865	7.8500e-003	0.7301	8.9300e-003	0.7390	0.1948	8.3700e-003	0.2031						927.8658

	ROG	NOx	CO	SO2	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	1.28

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4301	0.5645	4.1838	7.8300e-003	0.7301	8.7300e-003	0.7388	0.1948	8.1700e-003	0.2029						736.1768
Unmitigated	0.4301	0.5645	4.1838	7.8300e-003	0.7301	8.7300e-003	0.7388	0.1948	8.1700e-003	0.2029						736.1768

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Strip Mall	0.00	0.00	0.00		
User Defined Commercial	878.00	833.00	405.00	1,943,236	1,943,236
Total	878.00	833.00	405.00	1,943,236	1,943,236

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
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
User Defined Commercial	0.00	6.64	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
User Defined Commercial	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: Y

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						166.7054
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						166.7054
NaturalGas Mitigated	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142
NaturalGas Unmitigated	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142

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					
Strip Mall	54287	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142

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					
Strip Mall	54287	2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		2.9000e-004	2.6600e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004						2.9142

5.3 Energy by Land Use - Electricity

Unmitigated

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	476055				166.7054
User Defined Commercial	0				0.0000
Total					166.7054

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	476055				166.7054
User Defined Commercial	0				0.0000
Total					166.7054

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004
Unmitigated	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0138					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.1078					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004
Total	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0138					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.1078					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004
Total	0.1217	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						8.2000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				18.3514
Unmitigated				18.3514

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	2.20958 / 1.35426				18.3514
User Defined Commercial	0 / 0				0.0000
Total					18.3514

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	2.20958 / 1.35426				18.3514

Artisan Hollywood Existing Uses - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Commercial	0 / 0				0.0000
Total					18.3514

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				3.7172
Unmitigated				15.7509

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	31.32				15.7509
User Defined Commercial	0				0.0000
Total					15.7509

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	7.39152				3.7172
User Defined Commercial	0				0.0000
Total					3.7172

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Artisan Hollywood Operation without MXD and PDFs - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Artisan Hollywood Operation without MXD and PDFs
Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	320.00	Space	0.00	128,000.00	0
High Turnover (Sit Down Restaurant)	10.80	1000sqft	0.00	10,805.00	0
Apartments High Rise	270.00	Dwelling Unit	0.80	260,378.00	772

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11	Operational Year	2025		
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	616	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.

Land Use - Site specific square footage for land uses.

Vehicle Trips - Consistent with LADOT VMT Calculator

Woodstoves - Consistent with SCAQMD Rules.

Energy Use - Consistency with Section 120.6(c) of the CBC. See Air Quality Appendix.

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - SCAQMD Rule 1470.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.50	0.41
tblFireplaces	NumberGas	229.50	249.00
tblFireplaces	NumberNoFireplace	27.00	0.00
tblFireplaces	NumberWood	13.50	0.00
tblLandUse	LandUseSquareFeet	10,800.00	10,805.00
tblLandUse	LandUseSquareFeet	270,000.00	260,378.00
tblLandUse	LotAcreage	2.88	0.00
tblLandUse	LotAcreage	0.25	0.00
tblLandUse	LotAcreage	4.35	0.80
tblProjectCharacteristics	CO2IntensityFactor	691.98	616
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.01
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.01
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	200.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	8.40	6.18
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	4.53	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	0.00	4,284.00
tblVehicleTrips	SU_TR	3.59	0.00

Artisan Hollywood Operation without MXD and PDFs - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	0.00	3,001.00
tblVehicleTrips	WD_TR	4.45	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	0.00	3,807.00
tblWoodstoves	NumberCatalytic	13.50	0.00
tblWoodstoves	NumberNoncatalytic	13.50	0.00

2.0 Emissions Summary**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	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154
Energy	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						769.5143
Mobile	1.5583	1.5769	14.3110	0.0294	3.1780	0.0221	3.2001	0.8479	0.0205	0.8684						2,761.9448
Stationary	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Waste						0.0000	0.0000		0.0000	0.0000						127.0933
Water						0.0000	0.0000		0.0000	0.0000						139.7767
Total	2.8333	2.1240	17.4784	0.0317	3.1780	0.0608	3.2389	0.8479	0.0592	0.9071						3,901.3577

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	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154
Energy	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						769.5143
Mobile	1.5583	1.5769	14.3110	0.0294	3.1780	0.0221	3.2001	0.8479	0.0205	0.8684						2,761.9448
Stationary	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Waste						0.0000	0.0000		0.0000	0.0000						29.9940
Water						0.0000	0.0000		0.0000	0.0000						111.8214
Total	2.8333	2.1240	17.4784	0.0317	3.1780	0.0608	3.2389	0.8479	0.0592	0.9071						3,776.3031

	ROG	NOx	CO	SO2	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	3.21

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5583	1.5769	14.3110	0.0294	3.1780	0.0221	3.2001	0.8479	0.0205	0.8684						2,761.9448
Unmitigated	1.5583	1.5769	14.3110	0.0294	3.1780	0.0221	3.2001	0.8479	0.0205	0.8684						2,761.9448

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments High Rise	0.00	0.00	0.00				
Enclosed Parking with Elevator	0.00	0.00	0.00				
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00				
User Defined Commercial	3,807.00	4,284.00	3001.00	8,458,195		8,458,195	
Total	3,807.00	4,284.00	3,001.00	8,458,195		8,458,195	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
User Defined Commercial	0.00	6.18	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
Enclosed Parking with Elevator	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
User Defined Commercial	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

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						505.3165
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						505.3165
Natural Gas Mitigated	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977
Natural Gas Unmitigated	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977

5.2 Energy by Land Use - Natural Gas

Unmitigated

Artisan Hollywood Operation without MXD and PDFs - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit Down Restaurant)	2.48872e+006	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003						133.5966
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit Down Restaurant)	2.48872e+006	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003						133.5966
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.03426e+006				289.9316
Enclosed Parking with Elevator	300800				84.3226
High Turnover (Sit Down Restaurant)	467532				131.0623
User Defined Commercial	0				0.0000
Total					505.3165

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.03426e+006				289.9316

Artisan Hollywood Operation without MXD and PDFs - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Enclosed Parking with Elevator	300800	84.3226
High Turnover (Sit Down Restaurant)	467532	131.0623
User Defined Commercial	0	0.0000
Total		505.3165

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154
Unmitigated	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154

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	0.0883					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.9882					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	6.0400e-003	0.0516	0.0220	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003						60.1495
Landscaping	0.0839	0.0321	2.7860	1.5000e-004		0.0155	0.0155		0.0155	0.0155						4.6660
Total	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154

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	0.0883					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.9882					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	6.0400e-003	0.0516	0.0220	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003						60.1495
Landscaping	0.0839	0.0321	2.7860	1.5000e-004		0.0155	0.0155		0.0155	0.0155						4.6660
Total	1.1664	0.0837	2.8080	4.8000e-004		0.0196	0.0196		0.0196	0.0196						64.8154

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				111.8214
Unmitigated				139.7767

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	17.5916 / 11.0903				122.6971
Enclosed Parking with Elevator	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	3.27816 / 0.209245				17.0796
User Defined Commercial	0 / 0				0.0000
Total					139.7767

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	14.0733 / 8.87228				98.1577
Enclosed Parking with Elevator	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	2.62253 / 0.167396				13.6637
User Defined Commercial	0 / 0				0.0000
Total					111.8214

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				29.9940
Unmitigated				127.0933

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	124.2				62.4604
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	128.52				64.6329
User Defined Commercial	0				0.0000
Total					127.0933

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	29.3112				14.7407
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	30.3307				15.2534
User Defined Commercial	0				0.0000
Total					29.9940

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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Emergency Generator	1	1	200	500	0.73	Diesel
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Boilers

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

User Defined Equipment

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

10.1 Stationary Sources**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (600 - 699 HP)	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Total	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132

11.0 Vegetation

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1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	320.00	Space	0.00	128,000.00	0
High Turnover (Sit Down Restaurant)	10.80	1000sqft	0.00	10,805.00	0
Apartments High Rise	270.00	Dwelling Unit	0.80	260,378.00	772

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11	Operational Year	2025		
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	616	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See AQ Appendix: CO2 Intensity Factor interpolated for Year 2025 consistent with SB 100.

Land Use - Site specific square footage for land uses.

Vehicle Trips - Consistent with LADOT VMT Calculator

Woodstoves - Outdoor fire pits in common areas (Non Summer Days).

Energy Use - Consistency with Section 120.6(c) of the CBC. See Air Quality Appendix.

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - SCAQMD Rule 1470.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.50	0.41
tblFireplaces	FireplaceDayYear	25.00	115.00
tblFireplaces	FireplaceHourDay	3.00	5.00
tblFireplaces	NumberGas	229.50	6.00
tblFireplaces	NumberNoFireplace	27.00	0.00
tblFireplaces	NumberWood	13.50	0.00
tblLandUse	LandUseSquareFeet	10,800.00	10,805.00
tblLandUse	LandUseSquareFeet	270,000.00	260,378.00
tblLandUse	LotAcreage	2.88	0.00
tblLandUse	LotAcreage	0.25	0.00
tblLandUse	LotAcreage	4.35	0.80
tblProjectCharacteristics	CO2IntensityFactor	691.98	616
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.01
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.01
tblTripsAndVMT	VendorTripNumber	52.00	51.00
tblTripsAndVMT	WorkerTripNumber	253.00	251.00
tblVehicleTrips	CC_TL	8.40	6.42
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	4.53	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	0.00	2,790.00
tblVehicleTrips	SU_TR	3.59	0.00

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tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	0.00	1,954.00
tblVehicleTrips	WD_TR	4.45	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	0.00	2,479.00
tblWoodstoves	NumberCatalytic	13.50	0.00
tblWoodstoves	NumberNoncatalytic	13.50	0.00

2.0 Emissions Summary**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	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779
Energy	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						769.5143
Mobile	1.0331	1.0563	9.5952	0.0199	2.1498	0.0149	2.1647	0.5736	0.0138	0.5874						1,865.8886
Stationary	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Waste						0.0000	0.0000		0.0000	0.0000						127.0933
Water						0.0000	0.0000		0.0000	0.0000						139.7767
Total	2.3032	1.5613	12.7446	0.0219	2.1498	0.0502	2.2001	0.5736	0.0492	0.6227						2,956.2640

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	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779
Energy	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						733.8269
Mobile	1.0331	1.0563	9.5952	0.0199	2.1498	0.0149	2.1647	0.5736	0.0138	0.5874						1,865.8886
Stationary	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Waste						0.0000	0.0000		0.0000	0.0000						29.9940
Water						0.0000	0.0000		0.0000	0.0000						111.8214
Total	2.3032	1.5613	12.7446	0.0219	2.1498	0.0502	2.2001	0.5736	0.0492	0.6227						2,795.5220

	ROG	NOx	CO	SO2	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	5.44

3.0 Construction Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/15/2021	6/3/2021	5	100	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating –****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	251.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206						50.4456
Total	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206						50.4456

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
Vendor	7.0200e-003	0.1547	0.0499	5.1000e-004	0.0161	2.2100e-003	0.0183	4.6400e-003	2.1100e-003	6.7500e-003						52.2174
Worker	0.0466	0.0408	0.5092	1.2700e-003	0.1375	9.6000e-004	0.1385	0.0365	8.9000e-004	0.0374						117.8423
Total	0.0536	0.1955	0.5591	1.7800e-003	0.1536	3.1700e-003	0.1568	0.0412	3.0000e-003	0.0442						170.0596

Mitigated Construction On-Site

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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					
Off-Road	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206						50.4456
Total	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206						50.4456

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
Vendor	7.0200e-003	0.1547	0.0499	5.1000e-004	0.0161	2.2100e-003	0.0183	4.6400e-003	2.1100e-003	6.7500e-003						52.2174
Worker	0.0466	0.0408	0.5092	1.2700e-003	0.1375	9.6000e-004	0.1385	0.0365	8.9000e-004	0.0374						117.8423
Total	0.0536	0.1955	0.5591	1.7800e-003	0.1536	3.1700e-003	0.1568	0.0412	3.0000e-003	0.0442						170.0596

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0331	1.0563	9.5952	0.0199	2.1498	0.0149	2.1647	0.5736	0.0138	0.5874						1,865.8886
Unmitigated	1.0331	1.0563	9.5952	0.0199	2.1498	0.0149	2.1647	0.5736	0.0138	0.5874						1,865.8886

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments High Rise	0.00	0.00	0.00				
Enclosed Parking with Elevator	0.00	0.00	0.00				
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00				
User Defined Commercial	2,479.00	2,790.00	1,954.00	5,721,684		5,721,684	
Total	2,479.00	2,790.00	1,954.00	5,721,684		5,721,684	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Commercial	0.00	6.42	0.00	0.00	100.00	0.00	100	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
Enclosed Parking with Elevator	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335
User Defined Commercial	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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						469.6291
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						505.3165
NaturalGas Mitigated	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977
NaturalGas Unmitigated	0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977

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 High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
High Turnover (Sit Down Restaurant)	2.48872e+006	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003						133.5966
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		0.0265	0.2341	0.1502	1.4500e-003		0.0183	0.0183		0.0183	0.0183						264.1977

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 High Rise	2.43292e+006	0.0131	0.1121	0.0477	7.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003						130.6012

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Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.48872e+006	0.0134	0.1220	0.1025	7.3000e-004	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	133.5966
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0265	0.2341	0.1502	1.4500e-003	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	264.1977

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.03426e+006				289.9316
Enclosed Parking with Elevator	300800				84.3226
High Turnover (Sit Down Restaurant)	467532				131.0623
User Defined Commercial	0				0.0000
Total					505.3165

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	984212				275.9020
Enclosed Parking with Elevator	244800				68.6242
High Turnover (Sit Down Restaurant)	446274				125.1029
User Defined Commercial	0				0.0000
Total					469.6291

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779
Unmitigated	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0883					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.9882					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	1.1200e-003	9.5400e-003	4.0600e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004						11.1120
Landscaping	0.0839	0.0321	2.7860	1.5000e-004		0.0155	0.0155		0.0155	0.0155						4.6660
Total	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779

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	0.0883					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.9882					0.0000	0.0000		0.0000	0.0000						0.0000
Hearth	1.1200e-003	9.5400e-003	4.0600e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004						11.1120
Landscaping	0.0839	0.0321	2.7860	1.5000e-004		0.0155	0.0155		0.0155	0.0155						4.6660
Total	1.1615	0.0416	2.7901	2.1000e-004		0.0162	0.0162		0.0162	0.0162						15.7779

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				111.8214
Unmitigated				139.7767

7.2 Water by Land Use**Unmitigated**

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	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	17.5916 / 11.0903				122.6971
Enclosed Parking with Elevator	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	3.27816 / 0.209245				17.0796
User Defined Commercial	0 / 0				0.0000
Total					139.7767

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	14.0733 / 8.87228				98.1577
Enclosed Parking with Elevator	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	2.62253 / 0.167396				13.6637
User Defined Commercial	0 / 0				0.0000
Total					111.8214

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				29.9940
Unmitigated				127.0833

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

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Apartments High Rise	124.2				62.4604
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	128.52				64.6329
User Defined Commercial	0				0.0000
Total					127.0933

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	29.3112				14.7407
Enclosed Parking with Elevator	0				0.0000
High Turnover (Sit Down Restaurant)	30.3307				15.2534
User Defined Commercial	0				0.0000
Total					29.9940

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
Emergency Generator	1	1	200	500	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (600 - 699 HP)	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132
Total	0.0821	0.2293	0.2092	3.9000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004						38.2132

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11.0 Vegetation
