

Alt 4 - Existing Site - 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**

**Alt 4 - Existing Site**

**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	13.96	1000sqft	0.32	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	691.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on the existing Barry Building site, as well as transportation of the dismantled building.

Land Use - Lot acreage/square feet equivalent to approximate building footprint to be removed.

Construction Phase - Applicant info.

Off-road Equipment - Asbestos abatement may require a generator or an air compressor to power electric or pneumatic hand tools and devices.

Off-road Equipment - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Applicant info.

Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday. Transporting building portions would require heavy duty class trucks.

Demolition - Assumes 1 CY of C&D debris equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Assumes minimal grading for landscape buffer.

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Area Coating - No operations at existing site.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	837	0
tblConstructionPhase	NumDays	100.00	45.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	1.00
tblGrading	AcresOfGrading	0.00	0.01
tblLandUse	LandUseSquareFeet	13,960.00	13,956.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00

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tbITripsAndVMT	HaulingTripLength	20.00	40.00
tbITripsAndVMT	HaulingTripNumber	3.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	WorkerTripNumber	5.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	40.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.4326	0.4326
2	4-1-2022	6-30-2022	0.0083	0.0083
		Highest	0.4326	0.4326

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.2000e-004	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.2000e-004	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Asbestos Abatement	Demolition	1/1/2022	1/14/2022	5	10	
2	Relocation Prep	Building Construction	1/17/2022	3/18/2022	5	45	
3	Relocation	Building Construction	3/21/2022	3/25/2022	5	5	

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4	Utilities Removal	Demolition	3/28/2022	4/8/2022	5	10
5	Landscape Buffer	Grading	4/11/2022	4/11/2022	5	1

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.01**

**Acres of Paving: 0.32**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asbestos Abatement	Air Compressors	1	8.00	78	0.48
Asbestos Abatement	Concrete/Industrial Saws	0	8.00	81	0.73
Asbestos Abatement	Generator Sets	1	8.00	84	0.74
Asbestos Abatement	Rubber Tired Dozers	0	1.00	247	0.40
Asbestos Abatement	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Relocation Prep	Air Compressors	1	8.00	78	0.48
Relocation Prep	Cranes	1	8.00	231	0.29
Relocation Prep	Forklifts	2	8.00	89	0.20
Relocation Prep	Generator Sets	1	8.00	84	0.74
Relocation Prep	Graders	0	8.00	187	0.41
Relocation Prep	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Relocation Prep	Welders	2	8.00	46	0.45
Relocation	Cranes	2	8.00	231	0.29
Relocation	Forklifts	2	8.00	89	0.20
Relocation	Graders	0	6.00	187	0.41
Relocation	Rubber Tired Dozers	0	6.00	247	0.40
Relocation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Removal	Concrete/Industrial Saws	0	8.00	81	0.73

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Utilities Removal	Cranes	0	4.00	231	0.29
Utilities Removal	Forklifts	0	6.00	89	0.20
Utilities Removal	Rubber Tired Dozers	0	1.00	247	0.40
Utilities Removal	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscape Buffer	Cement and Mortar Mixers	0	6.00	9	0.56
Landscape Buffer	Graders	0	6.00	187	0.41
Landscape Buffer	Pavers	0	7.00	130	0.42
Landscape Buffer	Rollers	0	7.00	80	0.38
Landscape Buffer	Rubber Tired Dozers	0	6.00	247	0.40
Landscape Buffer	Tractors/Loaders/Backhoes	1	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
Asbestos Abatement	2	20.00	0.00	20.00	14.70	6.90	42.00	LD_Mix	HDT_Mix	HHDT
Relocation Prep	7	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Relocation	4	40.00	0.00	20.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Utilities Removal	1	10.00	2.00	20.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Landscape Buffer	1	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



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**3.2 Asbestos Abatement - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0100e-003	0.0240	0.0305	5.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	4.5282	4.5282	2.5000e-004	0.0000	4.5343
<b>Total</b>	<b>3.0100e-003</b>	<b>0.0240</b>	<b>0.0305</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>1.2800e-003</b>	<b>1.6200e-003</b>	<b>5.0000e-005</b>	<b>1.2800e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>4.5282</b>	<b>4.5282</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.5343</b>

**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	9.0000e-005	3.5000e-003	6.7000e-004	1.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.2677	1.2677	7.0000e-005	2.0000e-004	1.3294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.9000e-004	3.7100e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9012	0.9012	3.0000e-005	2.0000e-005	0.9092
<b>Total</b>	<b>4.3000e-004</b>	<b>3.7900e-003</b>	<b>4.3800e-003</b>	<b>2.0000e-005</b>	<b>1.4600e-003</b>	<b>4.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>3.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.1690</b>	<b>2.1690</b>	<b>1.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2386</b>

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**3.2 Asbestos Abatement - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0100e-003	0.0240	0.0305	5.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	4.5282	4.5282	2.5000e-004	0.0000	4.5343
<b>Total</b>	<b>3.0100e-003</b>	<b>0.0240</b>	<b>0.0305</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>1.2800e-003</b>	<b>1.6200e-003</b>	<b>5.0000e-005</b>	<b>1.2800e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>4.5282</b>	<b>4.5282</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.5343</b>

**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	9.0000e-005	3.5000e-003	6.7000e-004	1.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.2677	1.2677	7.0000e-005	2.0000e-004	1.3294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.9000e-004	3.7100e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9012	0.9012	3.0000e-005	2.0000e-005	0.9092
<b>Total</b>	<b>4.3000e-004</b>	<b>3.7900e-003</b>	<b>4.3800e-003</b>	<b>2.0000e-005</b>	<b>1.4600e-003</b>	<b>4.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>3.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.1690</b>	<b>2.1690</b>	<b>1.0000e-004</b>	<b>2.2000e-004</b>	<b>2.2386</b>

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**3.3 Relocation Prep - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0395	0.3156	0.3079	5.5000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	46.2966	46.2966	7.7600e-003	0.0000	46.4906
<b>Total</b>	<b>0.0395</b>	<b>0.3156</b>	<b>0.3079</b>	<b>5.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0151</b>	<b>0.0151</b>	<b>0.0000</b>	<b>46.2966</b>	<b>46.2966</b>	<b>7.7600e-003</b>	<b>0.0000</b>	<b>46.4906</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.2800e-003	0.0167	4.0000e-005	4.9300e-003	3.0000e-005	4.9600e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	4.0556	4.0556	1.2000e-004	1.1000e-004	4.0915
<b>Total</b>	<b>1.5400e-003</b>	<b>1.2800e-003</b>	<b>0.0167</b>	<b>4.0000e-005</b>	<b>4.9300e-003</b>	<b>3.0000e-005</b>	<b>4.9600e-003</b>	<b>1.3100e-003</b>	<b>3.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.0556</b>	<b>4.0556</b>	<b>1.2000e-004</b>	<b>1.1000e-004</b>	<b>4.0915</b>

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**3.3 Relocation Prep - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0395	0.3156	0.3079	5.5000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	46.2966	46.2966	7.7600e-003	0.0000	46.4906
<b>Total</b>	<b>0.0395</b>	<b>0.3156</b>	<b>0.3079</b>	<b>5.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0151</b>	<b>0.0151</b>	<b>0.0000</b>	<b>46.2966</b>	<b>46.2966</b>	<b>7.7600e-003</b>	<b>0.0000</b>	<b>46.4906</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.2800e-003	0.0167	4.0000e-005	4.9300e-003	3.0000e-005	4.9600e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	4.0556	4.0556	1.2000e-004	1.1000e-004	4.0915
<b>Total</b>	<b>1.5400e-003</b>	<b>1.2800e-003</b>	<b>0.0167</b>	<b>4.0000e-005</b>	<b>4.9300e-003</b>	<b>3.0000e-005</b>	<b>4.9600e-003</b>	<b>1.3100e-003</b>	<b>3.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.0556</b>	<b>4.0556</b>	<b>1.2000e-004</b>	<b>1.1000e-004</b>	<b>4.0915</b>

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

**3.4 Relocation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.4300e-003	0.0262	0.0152	4.0000e-005		1.2200e-003	1.2200e-003		1.1200e-003	1.1200e-003	0.0000	3.2063	3.2063	1.0400e-003	0.0000	3.2322
<b>Total</b>	<b>2.4300e-003</b>	<b>0.0262</b>	<b>0.0152</b>	<b>4.0000e-005</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>		<b>1.1200e-003</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>3.2063</b>	<b>3.2063</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>3.2322</b>

**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	6.0000e-005	2.1600e-003	4.6000e-004	1.0000e-005	2.2000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7654	0.7654	4.0000e-005	1.2000e-004	0.8026
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.9000e-004	3.7100e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9012	0.9012	3.0000e-005	2.0000e-005	0.9092
<b>Total</b>	<b>4.0000e-004</b>	<b>2.4500e-003</b>	<b>4.1700e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>3.0000e-005</b>	<b>1.3300e-003</b>	<b>3.5000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.6667</b>	<b>1.6667</b>	<b>7.0000e-005</b>	<b>1.4000e-004</b>	<b>1.7119</b>

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

**3.4 Relocation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.4300e-003	0.0262	0.0152	4.0000e-005		1.2200e-003	1.2200e-003		1.1200e-003	1.1200e-003	0.0000	3.2063	3.2063	1.0400e-003	0.0000	3.2322
<b>Total</b>	<b>2.4300e-003</b>	<b>0.0262</b>	<b>0.0152</b>	<b>4.0000e-005</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>		<b>1.1200e-003</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>3.2063</b>	<b>3.2063</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>3.2322</b>

**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	6.0000e-005	2.1600e-003	4.6000e-004	1.0000e-005	2.2000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7654	0.7654	4.0000e-005	1.2000e-004	0.8026
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.9000e-004	3.7100e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9012	0.9012	3.0000e-005	2.0000e-005	0.9092
<b>Total</b>	<b>4.0000e-004</b>	<b>2.4500e-003</b>	<b>4.1700e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>3.0000e-005</b>	<b>1.3300e-003</b>	<b>3.5000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.6667</b>	<b>1.6667</b>	<b>7.0000e-005</b>	<b>1.4000e-004</b>	<b>1.7119</b>

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

**3.5 Utilities Removal - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
<b>Total</b>	<b>8.2000e-004</b>	<b>8.3800e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.3664</b>	<b>1.3664</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.3774</b>

**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	8.0000e-005	3.3400e-003	6.5000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.7000e-004	9.0000e-005	2.0000e-005	1.2000e-004	0.0000	1.2086	1.2086	6.0000e-005	1.9000e-004	1.2674
Vendor	2.0000e-005	5.1000e-004	1.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1910	0.1910	1.0000e-005	3.0000e-005	0.1993
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
<b>Total</b>	<b>2.7000e-004</b>	<b>3.9900e-003</b>	<b>2.6700e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.8502</b>	<b>1.8502</b>	<b>8.0000e-005</b>	<b>2.3000e-004</b>	<b>1.9214</b>

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

**3.5 Utilities Removal - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
<b>Total</b>	<b>8.2000e-004</b>	<b>8.3800e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.3664</b>	<b>1.3664</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.3774</b>

**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	8.0000e-005	3.3400e-003	6.5000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.7000e-004	9.0000e-005	2.0000e-005	1.2000e-004	0.0000	1.2086	1.2086	6.0000e-005	1.9000e-004	1.2674
Vendor	2.0000e-005	5.1000e-004	1.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1910	0.1910	1.0000e-005	3.0000e-005	0.1993
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
<b>Total</b>	<b>2.7000e-004</b>	<b>3.9900e-003</b>	<b>2.6700e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.8502</b>	<b>1.8502</b>	<b>8.0000e-005</b>	<b>2.3000e-004</b>	<b>1.9214</b>



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

**3.6 Landscape Buffer - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-005	8.4000e-004	1.1200e-003	0.0000		5.0000e-005	5.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.1366	0.1366	4.0000e-005	0.0000	0.1377
<b>Total</b>	<b>8.0000e-005</b>	<b>8.4000e-004</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1366</b>	<b>0.1366</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1377</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	5.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0191	0.0191	0.0000	0.0000	0.0199
Worker	2.0000e-005	1.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0451	0.0451	0.0000	0.0000	0.0455
<b>Total</b>	<b>2.0000e-005</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0654</b>

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

**3.6 Landscape Buffer - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-005	8.4000e-004	1.1200e-003	0.0000		5.0000e-005	5.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.1366	0.1366	4.0000e-005	0.0000	0.1377
<b>Total</b>	<b>8.0000e-005</b>	<b>8.4000e-004</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1366</b>	<b>0.1366</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1377</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	5.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0191	0.0191	0.0000	0.0000	0.0199
Worker	2.0000e-005	1.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0451	0.0451	0.0000	0.0000	0.0455
<b>Total</b>	<b>2.0000e-005</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0654</b>

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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	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

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

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374





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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

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

**Mitigated**

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	9.2000e-004	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-004
Unmitigated	9.2000e-004	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-004
<b>Total</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

Alt 4 - Existing Site - 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**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.5000e-004	3.5000e-004	0.0000	0.0000	3.7000e-004
<b>Total</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



Alt 4 - Existing Site - 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 CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

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

Alt 4 - Existing Site - 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**

**7.2 Water by Land Use**

Mitigated

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

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

Alt 4 - Existing Site - 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**

**8.2 Waste by Land Use**

Unmitigated

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

Mitigated

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

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Alt 4 - Existing Site - 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**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**Alt 4 - Existing Site  
Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	13.96	1000sqft	0.32	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	691.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on the existing Barry Building site, as well as transportation of the dismantled building.

Land Use - Lot acreage/square feet equivalent to approximate building footprint to be removed.

Construction Phase - Applicant info.

Off-road Equipment - Asbestos abatement may require a generator or an air compressor to power electric or pneumatic hand tools and devices.

Off-road Equipment - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Applicant info.

Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday. Transporting building portions would require heavy duty class trucks.

Demolition - Assumes 1 CY of C&D debris equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Assumes minimal grading for landscape buffer.

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

Area Coating - No operations at existing site.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	837	0
tblConstructionPhase	NumDays	100.00	45.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	1.00
tblGrading	AcresOfGrading	0.00	0.01
tblLandUse	LandUseSquareFeet	13,960.00	13,956.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

tbITripsAndVMT	HaulingTripLength	20.00	40.00
tbITripsAndVMT	HaulingTripNumber	3.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	WorkerTripNumber	5.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	40.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0800e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2600e-003</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0800e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2600e-003</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

**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
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	Asbestos Abatement	Demolition	1/1/2022	1/14/2022	5	10	
2	Relocation Prep	Building Construction	1/17/2022	3/18/2022	5	45	
3	Relocation	Building Construction	3/21/2022	3/25/2022	5	5	
4	Utilities Removal	Demolition	3/28/2022	4/8/2022	5	10	
5	Landscape Buffer	Grading	4/11/2022	4/11/2022	5	1	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.01**

**Acres of Paving: 0.32**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asbestos Abatement	Air Compressors	1	8.00	78	0.48
Asbestos Abatement	Concrete/Industrial Saws	0	8.00	81	0.73
Asbestos Abatement	Generator Sets	1	8.00	84	0.74
Asbestos Abatement	Rubber Tired Dozers	0	1.00	247	0.40
Asbestos Abatement	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Relocation Prep	Air Compressors	1	8.00	78	0.48

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

Relocation Prep	Cranes	1	8.00	231	0.29
Relocation Prep	Forklifts	2	8.00	89	0.20
Relocation Prep	Generator Sets	1	8.00	84	0.74
Relocation Prep	Graders	0	8.00	187	0.41
Relocation Prep	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Relocation Prep	Welders	2	8.00	46	0.45
Relocation	Cranes	2	8.00	231	0.29
Relocation	Forklifts	2	8.00	89	0.20
Relocation	Graders	0	6.00	187	0.41
Relocation	Rubber Tired Dozers	0	6.00	247	0.40
Relocation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities Removal	Cranes	0	4.00	231	0.29
Utilities Removal	Forklifts	0	6.00	89	0.20
Utilities Removal	Rubber Tired Dozers	0	1.00	247	0.40
Utilities Removal	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscape Buffer	Cement and Mortar Mixers	0	6.00	9	0.56
Landscape Buffer	Graders	0	6.00	187	0.41
Landscape Buffer	Pavers	0	7.00	130	0.42
Landscape Buffer	Rollers	0	7.00	80	0.38
Landscape Buffer	Rubber Tired Dozers	0	6.00	247	0.40
Landscape Buffer	Tractors/Loaders/Backhoes	1	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
Asbestos Abatement	2	20.00	0.00	20.00	14.70	6.90	42.00	LD_Mix	HDT_Mix	HHDT
Relocation Prep	7	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

Relocation	4	40.00	0.00	20.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Utilities Removal	1	10.00	2.00	20.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Landscape Buffer	1	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Asbestos Abatement - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0674	0.0000	0.0674	0.0102	0.0000	0.0102			0.0000			0.0000
Off-Road	0.6027	4.8062	6.0941	0.0105		0.2559	0.2559		0.2559	0.2559		998.2986	998.2986	0.0540		999.6495
<b>Total</b>	<b>0.6027</b>	<b>4.8062</b>	<b>6.0941</b>	<b>0.0105</b>	<b>0.0674</b>	<b>0.2559</b>	<b>0.3233</b>	<b>0.0102</b>	<b>0.2559</b>	<b>0.2661</b>		<b>998.2986</b>	<b>998.2986</b>	<b>0.0540</b>		<b>999.6495</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.2 Asbestos Abatement - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0172	0.6637	0.1342	2.5500e-003	0.0735	5.2100e-003	0.0787	0.0201	4.9800e-003	0.0251		279.4715	279.4715	0.0150	0.0444	293.0619
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0505	0.7872	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		206.6884	206.6884	5.6300e-003	5.0000e-003	208.3205
<b>Total</b>	<b>0.0864</b>	<b>0.7142</b>	<b>0.9213</b>	<b>4.5900e-003</b>	<b>0.2970</b>	<b>6.6400e-003</b>	<b>0.3037</b>	<b>0.0794</b>	<b>6.3000e-003</b>	<b>0.0857</b>		<b>486.1599</b>	<b>486.1599</b>	<b>0.0206</b>	<b>0.0494</b>	<b>501.3824</b>

**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					0.0674	0.0000	0.0674	0.0102	0.0000	0.0102			0.0000			0.0000
Off-Road	0.6027	4.8062	6.0941	0.0105		0.2559	0.2559		0.2559	0.2559	0.0000	998.2986	998.2986	0.0540		999.6495
<b>Total</b>	<b>0.6027</b>	<b>4.8062</b>	<b>6.0941</b>	<b>0.0105</b>	<b>0.0674</b>	<b>0.2559</b>	<b>0.3233</b>	<b>0.0102</b>	<b>0.2559</b>	<b>0.2661</b>	<b>0.0000</b>	<b>998.2986</b>	<b>998.2986</b>	<b>0.0540</b>		<b>999.6495</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.2 Asbestos Abatement - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0172	0.6637	0.1342	2.5500e-003	0.0735	5.2100e-003	0.0787	0.0201	4.9800e-003	0.0251		279.4715	279.4715	0.0150	0.0444	293.0619
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0505	0.7872	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		206.6884	206.6884	5.6300e-003	5.0000e-003	208.3205
<b>Total</b>	<b>0.0864</b>	<b>0.7142</b>	<b>0.9213</b>	<b>4.5900e-003</b>	<b>0.2970</b>	<b>6.6400e-003</b>	<b>0.3037</b>	<b>0.0794</b>	<b>6.3000e-003</b>	<b>0.0857</b>		<b>486.1599</b>	<b>486.1599</b>	<b>0.0206</b>	<b>0.0494</b>	<b>501.3824</b>

**3.3 Relocation Prep - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7564	14.0261	13.6855	0.0245		0.6971	0.6971		0.6721	0.6721		2,268.1461	2,268.1461	0.3802		2,277.6504
<b>Total</b>	<b>1.7564</b>	<b>14.0261</b>	<b>13.6855</b>	<b>0.0245</b>		<b>0.6971</b>	<b>0.6971</b>		<b>0.6721</b>	<b>0.6721</b>		<b>2,268.1461</b>	<b>2,268.1461</b>	<b>0.3802</b>		<b>2,277.6504</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.3 Relocation Prep - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0505	0.7872	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		206.6884	206.6884	5.6300e-003	5.0000e-003	208.3205
<b>Total</b>	<b>0.0692</b>	<b>0.0505</b>	<b>0.7872</b>	<b>2.0400e-003</b>	<b>0.2236</b>	<b>1.4300e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3200e-003</b>	<b>0.0606</b>		<b>206.6884</b>	<b>206.6884</b>	<b>5.6300e-003</b>	<b>5.0000e-003</b>	<b>208.3205</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7564	14.0261	13.6855	0.0245		0.6971	0.6971		0.6721	0.6721	0.0000	2,268.1461	2,268.1461	0.3802		2,277.6504
<b>Total</b>	<b>1.7564</b>	<b>14.0261</b>	<b>13.6855</b>	<b>0.0245</b>		<b>0.6971</b>	<b>0.6971</b>		<b>0.6721</b>	<b>0.6721</b>	<b>0.0000</b>	<b>2,268.1461</b>	<b>2,268.1461</b>	<b>0.3802</b>		<b>2,277.6504</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.3 Relocation Prep - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0505	0.7872	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		206.6884	206.6884	5.6300e-003	5.0000e-003	208.3205
<b>Total</b>	<b>0.0692</b>	<b>0.0505</b>	<b>0.7872</b>	<b>2.0400e-003</b>	<b>0.2236</b>	<b>1.4300e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3200e-003</b>	<b>0.0606</b>		<b>206.6884</b>	<b>206.6884</b>	<b>5.6300e-003</b>	<b>5.0000e-003</b>	<b>208.3205</b>

**3.4 Relocation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9732	10.4783	6.0922	0.0146		0.4872	0.4872		0.4483	0.4483		1,413.7224	1,413.7224	0.4572		1,425.1530
<b>Total</b>	<b>0.9732</b>	<b>10.4783</b>	<b>6.0922</b>	<b>0.0146</b>		<b>0.4872</b>	<b>0.4872</b>		<b>0.4483</b>	<b>0.4483</b>		<b>1,413.7224</b>	<b>1,413.7224</b>	<b>0.4572</b>		<b>1,425.1530</b>



Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.4 Relocation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0222	0.8208	0.1820	3.0800e-003	0.0875	6.2300e-003	0.0937	0.0240	5.9600e-003	0.0299		337.4540	337.4540	0.0180	0.0535	353.8600
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1384	0.1010	1.5743	4.0900e-003	0.4471	2.8600e-003	0.4500	0.1186	2.6300e-003	0.1212		413.3768	413.3768	0.0113	0.0100	416.6411
<b>Total</b>	<b>0.1606</b>	<b>0.9218</b>	<b>1.7564</b>	<b>7.1700e-003</b>	<b>0.5346</b>	<b>9.0900e-003</b>	<b>0.5437</b>	<b>0.1426</b>	<b>8.5900e-003</b>	<b>0.1512</b>		<b>750.8308</b>	<b>750.8308</b>	<b>0.0293</b>	<b>0.0636</b>	<b>770.5010</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9732	10.4783	6.0922	0.0146		0.4872	0.4872		0.4483	0.4483	0.0000	1,413.7224	1,413.7224	0.4572		1,425.1530
<b>Total</b>	<b>0.9732</b>	<b>10.4783</b>	<b>6.0922</b>	<b>0.0146</b>		<b>0.4872</b>	<b>0.4872</b>		<b>0.4483</b>	<b>0.4483</b>	<b>0.0000</b>	<b>1,413.7224</b>	<b>1,413.7224</b>	<b>0.4572</b>		<b>1,425.1530</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.4 Relocation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0222	0.8208	0.1820	3.0800e-003	0.0875	6.2300e-003	0.0937	0.0240	5.9600e-003	0.0299		337.4540	337.4540	0.0180	0.0535	353.8600
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1384	0.1010	1.5743	4.0900e-003	0.4471	2.8600e-003	0.4500	0.1186	2.6300e-003	0.1212		413.3768	413.3768	0.0113	0.0100	416.6411
<b>Total</b>	<b>0.1606</b>	<b>0.9218</b>	<b>1.7564</b>	<b>7.1700e-003</b>	<b>0.5346</b>	<b>9.0900e-003</b>	<b>0.5437</b>	<b>0.1426</b>	<b>8.5900e-003</b>	<b>0.1512</b>		<b>750.8308</b>	<b>750.8308</b>	<b>0.0293</b>	<b>0.0636</b>	<b>770.5010</b>

**3.5 Utilities Removal - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.5 Utilities Removal - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.6339	0.1291	2.4300e-003	0.0700	4.9600e-003	0.0749	0.0192	4.7500e-003	0.0239		266.4427	266.4427	0.0143	0.0423	279.3993
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0550</b>	<b>0.7571</b>	<b>0.5563</b>	<b>3.8400e-003</b>	<b>0.1946</b>	<b>6.6100e-003</b>	<b>0.2012</b>	<b>0.0525</b>	<b>6.3000e-003</b>	<b>0.0588</b>		<b>411.8792</b>	<b>411.8792</b>	<b>0.0185</b>	<b>0.0509</b>	<b>427.4946</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.5 Utilities Removal - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.6339	0.1291	2.4300e-003	0.0700	4.9600e-003	0.0749	0.0192	4.7500e-003	0.0239		266.4427	266.4427	0.0143	0.0423	279.3993
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0550</b>	<b>0.7571</b>	<b>0.5563</b>	<b>3.8400e-003</b>	<b>0.1946</b>	<b>6.6100e-003</b>	<b>0.2012</b>	<b>0.0525</b>	<b>6.3000e-003</b>	<b>0.0588</b>		<b>411.8792</b>	<b>411.8792</b>	<b>0.0185</b>	<b>0.0509</b>	<b>427.4946</b>

**3.6 Landscape Buffer - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0106	0.0000	0.0106	1.1500e-003	0.0000	1.1500e-003			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.0106</b>	<b>0.0901</b>	<b>0.1007</b>	<b>1.1500e-003</b>	<b>0.0829</b>	<b>0.0841</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.6 Landscape Buffer - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0385</b>	<b>0.1232</b>	<b>0.4272</b>	<b>1.4100e-003</b>	<b>0.1246</b>	<b>1.6500e-003</b>	<b>0.1262</b>	<b>0.0333</b>	<b>1.5500e-003</b>	<b>0.0349</b>		<b>145.4365</b>	<b>145.4365</b>	<b>4.2300e-003</b>	<b>8.5700e-003</b>	<b>148.0953</b>

**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					0.0106	0.0000	0.0106	1.1500e-003	0.0000	1.1500e-003			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.0106</b>	<b>0.0901</b>	<b>0.1007</b>	<b>1.1500e-003</b>	<b>0.0829</b>	<b>0.0841</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**3.6 Landscape Buffer - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0385</b>	<b>0.1232</b>	<b>0.4272</b>	<b>1.4100e-003</b>	<b>0.1246</b>	<b>1.6500e-003</b>	<b>0.1262</b>	<b>0.0333</b>	<b>1.5500e-003</b>	<b>0.0349</b>		<b>145.4365</b>	<b>145.4365</b>	<b>4.2300e-003</b>	<b>8.5700e-003</b>	<b>148.0953</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

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

Mitigated

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

**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	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Unmitigated	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

**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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			3.0600e-003	3.0600e-003	1.0000e-005	3.2600e-003
<b>Total</b>	<b>5.0700e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>3.2600e-003</b>

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			3.0600e-003	3.0600e-003	1.0000e-005	3.2600e-003
<b>Total</b>	<b>5.0700e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>3.2600e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Alt 4 - Existing Site - Los Angeles-South Coast County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Alt 4 - Existing Site - 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**

**Alt 4 - Existing Site  
Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	13.96	1000sqft	0.32	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on the existing Barry Building site, as well as transportation of the dismantled building.

Land Use - Lot acreage/square feet equivalent to approximate building footprint to be removed.

Construction Phase - Applicant info.

Off-road Equipment - Asbestos abatement may require a generator or an air compressor to power electric or pneumatic hand tools and devices.

Off-road Equipment - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Applicant info.

Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday. Transporting building portions would require heavy duty class trucks.

Demolition - Assumes 1 CY of C&D debris equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Assumes minimal grading for landscape buffer.

Alt 4 - Existing Site - 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**

Area Coating - No operations at existing site.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	837	0
tblConstructionPhase	NumDays	100.00	45.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	1.00
tblGrading	AcresOfGrading	0.00	0.01
tblLandUse	LandUseSquareFeet	13,960.00	13,956.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00

Alt 4 - Existing Site - 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**

tbITripsAndVMT	HaulingTripLength	20.00	40.00
tbITripsAndVMT	HaulingTripNumber	3.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	2.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	WorkerTripNumber	5.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	20.00
tbITripsAndVMT	WorkerTripNumber	6.00	40.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00
tbITripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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Alt 4 - Existing Site - 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**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0800e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2600e-003</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0800e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2600e-003</b>

Alt 4 - Existing Site - 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
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	Asbestos Abatement	Demolition	1/1/2022	1/14/2022	5	10	
2	Relocation Prep	Building Construction	1/17/2022	3/18/2022	5	45	
3	Relocation	Building Construction	3/21/2022	3/25/2022	5	5	
4	Utilities Removal	Demolition	3/28/2022	4/8/2022	5	10	
5	Landscape Buffer	Grading	4/11/2022	4/11/2022	5	1	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.01**

**Acres of Paving: 0.32**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asbestos Abatement	Air Compressors	1	8.00	78	0.48
Asbestos Abatement	Concrete/Industrial Saws	0	8.00	81	0.73
Asbestos Abatement	Generator Sets	1	8.00	84	0.74
Asbestos Abatement	Rubber Tired Dozers	0	1.00	247	0.40
Asbestos Abatement	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Relocation Prep	Air Compressors	1	8.00	78	0.48

Alt 4 - Existing Site - 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**

Relocation Prep	Cranes	1	8.00	231	0.29
Relocation Prep	Forklifts	2	8.00	89	0.20
Relocation Prep	Generator Sets	1	8.00	84	0.74
Relocation Prep	Graders	0	8.00	187	0.41
Relocation Prep	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Relocation Prep	Welders	2	8.00	46	0.45
Relocation	Cranes	2	8.00	231	0.29
Relocation	Forklifts	2	8.00	89	0.20
Relocation	Graders	0	6.00	187	0.41
Relocation	Rubber Tired Dozers	0	6.00	247	0.40
Relocation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities Removal	Cranes	0	4.00	231	0.29
Utilities Removal	Forklifts	0	6.00	89	0.20
Utilities Removal	Rubber Tired Dozers	0	1.00	247	0.40
Utilities Removal	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscape Buffer	Cement and Mortar Mixers	0	6.00	9	0.56
Landscape Buffer	Graders	0	6.00	187	0.41
Landscape Buffer	Pavers	0	7.00	130	0.42
Landscape Buffer	Rollers	0	7.00	80	0.38
Landscape Buffer	Rubber Tired Dozers	0	6.00	247	0.40
Landscape Buffer	Tractors/Loaders/Backhoes	1	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
Asbestos Abatement	2	20.00	0.00	20.00	14.70	6.90	42.00	LD_Mix	HDT_Mix	HHDT
Relocation Prep	7	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Alt 4 - Existing Site - 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**

Relocation	4	40.00	0.00	20.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Utilities Removal	1	10.00	2.00	20.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Landscape Buffer	1	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Asbestos Abatement - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0674	0.0000	0.0674	0.0102	0.0000	0.0102			0.0000			0.0000
Off-Road	0.6027	4.8062	6.0941	0.0105		0.2559	0.2559		0.2559	0.2559		998.2986	998.2986	0.0540		999.6495
<b>Total</b>	<b>0.6027</b>	<b>4.8062</b>	<b>6.0941</b>	<b>0.0105</b>	<b>0.0674</b>	<b>0.2559</b>	<b>0.3233</b>	<b>0.0102</b>	<b>0.2559</b>	<b>0.2661</b>		<b>998.2986</b>	<b>998.2986</b>	<b>0.0540</b>		<b>999.6495</b>

Alt 4 - Existing Site - 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 Asbestos Abatement - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0170	0.6901	0.1355	2.5500e-003	0.0735	5.2200e-003	0.0787	0.0201	4.9900e-003	0.0251		279.5113	279.5113	0.0150	0.0444	293.1037
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.0558	0.7227	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		195.7606	195.7606	5.7000e-003	5.3500e-003	197.4967
<b>Total</b>	<b>0.0911</b>	<b>0.7459</b>	<b>0.8582</b>	<b>4.4900e-003</b>	<b>0.2970</b>	<b>6.6500e-003</b>	<b>0.3037</b>	<b>0.0794</b>	<b>6.3100e-003</b>	<b>0.0857</b>		<b>475.2719</b>	<b>475.2719</b>	<b>0.0207</b>	<b>0.0497</b>	<b>490.6004</b>

**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					0.0674	0.0000	0.0674	0.0102	0.0000	0.0102			0.0000			0.0000
Off-Road	0.6027	4.8062	6.0941	0.0105		0.2559	0.2559		0.2559	0.2559	0.0000	998.2986	998.2986	0.0540		999.6495
<b>Total</b>	<b>0.6027</b>	<b>4.8062</b>	<b>6.0941</b>	<b>0.0105</b>	<b>0.0674</b>	<b>0.2559</b>	<b>0.3233</b>	<b>0.0102</b>	<b>0.2559</b>	<b>0.2661</b>	<b>0.0000</b>	<b>998.2986</b>	<b>998.2986</b>	<b>0.0540</b>		<b>999.6495</b>

Alt 4 - Existing Site - 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 Asbestos Abatement - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0170	0.6901	0.1355	2.5500e-003	0.0735	5.2200e-003	0.0787	0.0201	4.9900e-003	0.0251		279.5113	279.5113	0.0150	0.0444	293.1037
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.0558	0.7227	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		195.7606	195.7606	5.7000e-003	5.3500e-003	197.4967
<b>Total</b>	<b>0.0911</b>	<b>0.7459</b>	<b>0.8582</b>	<b>4.4900e-003</b>	<b>0.2970</b>	<b>6.6500e-003</b>	<b>0.3037</b>	<b>0.0794</b>	<b>6.3100e-003</b>	<b>0.0857</b>		<b>475.2719</b>	<b>475.2719</b>	<b>0.0207</b>	<b>0.0497</b>	<b>490.6004</b>

**3.3 Relocation Prep - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7564	14.0261	13.6855	0.0245		0.6971	0.6971		0.6721	0.6721		2,268.1461	2,268.1461	0.3802		2,277.6504
<b>Total</b>	<b>1.7564</b>	<b>14.0261</b>	<b>13.6855</b>	<b>0.0245</b>		<b>0.6971</b>	<b>0.6971</b>		<b>0.6721</b>	<b>0.6721</b>		<b>2,268.1461</b>	<b>2,268.1461</b>	<b>0.3802</b>		<b>2,277.6504</b>

Alt 4 - Existing Site - 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 Relocation Prep - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.0558	0.7227	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		195.7606	195.7606	5.7000e-003	5.3500e-003	197.4967
<b>Total</b>	<b>0.0741</b>	<b>0.0558</b>	<b>0.7227</b>	<b>1.9400e-003</b>	<b>0.2236</b>	<b>1.4300e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3200e-003</b>	<b>0.0606</b>		<b>195.7606</b>	<b>195.7606</b>	<b>5.7000e-003</b>	<b>5.3500e-003</b>	<b>197.4967</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7564	14.0261	13.6855	0.0245		0.6971	0.6971		0.6721	0.6721	0.0000	2,268.1461	2,268.1461	0.3802		2,277.6504
<b>Total</b>	<b>1.7564</b>	<b>14.0261</b>	<b>13.6855</b>	<b>0.0245</b>		<b>0.6971</b>	<b>0.6971</b>		<b>0.6721</b>	<b>0.6721</b>	<b>0.0000</b>	<b>2,268.1461</b>	<b>2,268.1461</b>	<b>0.3802</b>		<b>2,277.6504</b>

Alt 4 - Existing Site - 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 Relocation Prep - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.0558	0.7227	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		195.7606	195.7606	5.7000e-003	5.3500e-003	197.4967
<b>Total</b>	<b>0.0741</b>	<b>0.0558</b>	<b>0.7227</b>	<b>1.9400e-003</b>	<b>0.2236</b>	<b>1.4300e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3200e-003</b>	<b>0.0606</b>		<b>195.7606</b>	<b>195.7606</b>	<b>5.7000e-003</b>	<b>5.3500e-003</b>	<b>197.4967</b>

**3.4 Relocation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9732	10.4783	6.0922	0.0146		0.4872	0.4872		0.4483	0.4483		1,413.7224	1,413.7224	0.4572		1,425.1530
<b>Total</b>	<b>0.9732</b>	<b>10.4783</b>	<b>6.0922</b>	<b>0.0146</b>		<b>0.4872</b>	<b>0.4872</b>		<b>0.4483</b>	<b>0.4483</b>		<b>1,413.7224</b>	<b>1,413.7224</b>	<b>0.4572</b>		<b>1,425.1530</b>



Alt 4 - Existing Site - 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 Relocation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0218	0.8539	0.1847	3.0800e-003	0.0875	6.2400e-003	0.0937	0.0240	5.9700e-003	0.0300		337.5338	337.5338	0.0180	0.0536	353.9434
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1482	0.1116	1.4455	3.8700e-003	0.4471	2.8600e-003	0.4500	0.1186	2.6300e-003	0.1212		391.5213	391.5213	0.0114	0.0107	394.9934
<b>Total</b>	<b>0.1699</b>	<b>0.9655</b>	<b>1.6302</b>	<b>6.9500e-003</b>	<b>0.5346</b>	<b>9.1000e-003</b>	<b>0.5437</b>	<b>0.1426</b>	<b>8.6000e-003</b>	<b>0.1512</b>		<b>729.0551</b>	<b>729.0551</b>	<b>0.0294</b>	<b>0.0643</b>	<b>748.9368</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9732	10.4783	6.0922	0.0146		0.4872	0.4872		0.4483	0.4483	0.0000	1,413.7224	1,413.7224	0.4572		1,425.1530
<b>Total</b>	<b>0.9732</b>	<b>10.4783</b>	<b>6.0922</b>	<b>0.0146</b>		<b>0.4872</b>	<b>0.4872</b>		<b>0.4483</b>	<b>0.4483</b>	<b>0.0000</b>	<b>1,413.7224</b>	<b>1,413.7224</b>	<b>0.4572</b>		<b>1,425.1530</b>

Alt 4 - Existing Site - 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 Relocation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0218	0.8539	0.1847	3.0800e-003	0.0875	6.2400e-003	0.0937	0.0240	5.9700e-003	0.0300		337.5338	337.5338	0.0180	0.0536	353.9434
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1482	0.1116	1.4455	3.8700e-003	0.4471	2.8600e-003	0.4500	0.1186	2.6300e-003	0.1212		391.5213	391.5213	0.0114	0.0107	394.9934
<b>Total</b>	<b>0.1699</b>	<b>0.9655</b>	<b>1.6302</b>	<b>6.9500e-003</b>	<b>0.5346</b>	<b>9.1000e-003</b>	<b>0.5437</b>	<b>0.1426</b>	<b>8.6000e-003</b>	<b>0.1512</b>		<b>729.0551</b>	<b>729.0551</b>	<b>0.0294</b>	<b>0.0643</b>	<b>748.9368</b>

**3.5 Utilities Removal - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - 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 Utilities Removal - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0163	0.6591	0.1304	2.4300e-003	0.0700	4.9700e-003	0.0749	0.0192	4.7500e-003	0.0239		266.4825	266.4825	0.0143	0.0423	279.4411
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0572</b>	<b>0.7890</b>	<b>0.5265</b>	<b>3.7900e-003</b>	<b>0.1946</b>	<b>6.6300e-003</b>	<b>0.2012</b>	<b>0.0525</b>	<b>6.3100e-003</b>	<b>0.0588</b>		<b>406.4710</b>	<b>406.4710</b>	<b>0.0185</b>	<b>0.0510</b>	<b>422.1425</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - 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 Utilities Removal - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0163	0.6591	0.1304	2.4300e-003	0.0700	4.9700e-003	0.0749	0.0192	4.7500e-003	0.0239		266.4825	266.4825	0.0143	0.0423	279.4411
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0572</b>	<b>0.7890</b>	<b>0.5265</b>	<b>3.7900e-003</b>	<b>0.1946</b>	<b>6.6300e-003</b>	<b>0.2012</b>	<b>0.0525</b>	<b>6.3100e-003</b>	<b>0.0588</b>		<b>406.4710</b>	<b>406.4710</b>	<b>0.0185</b>	<b>0.0510</b>	<b>422.1425</b>

**3.6 Landscape Buffer - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0106	0.0000	0.0106	1.1500e-003	0.0000	1.1500e-003			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.0106</b>	<b>0.0901</b>	<b>0.1007</b>	<b>1.1500e-003</b>	<b>0.0829</b>	<b>0.0841</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - 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**

**3.6 Landscape Buffer - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0409</b>	<b>0.1299</b>	<b>0.3961</b>	<b>1.3600e-003</b>	<b>0.1246</b>	<b>1.6600e-003</b>	<b>0.1262</b>	<b>0.0333</b>	<b>1.5600e-003</b>	<b>0.0349</b>		<b>139.9885</b>	<b>139.9885</b>	<b>4.2500e-003</b>	<b>8.7400e-003</b>	<b>142.7014</b>

**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					0.0106	0.0000	0.0106	1.1500e-003	0.0000	1.1500e-003			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.0106</b>	<b>0.0901</b>	<b>0.1007</b>	<b>1.1500e-003</b>	<b>0.0829</b>	<b>0.0841</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Existing Site - 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**

**3.6 Landscape Buffer - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0409</b>	<b>0.1299</b>	<b>0.3961</b>	<b>1.3600e-003</b>	<b>0.1246</b>	<b>1.6600e-003</b>	<b>0.1262</b>	<b>0.0333</b>	<b>1.5600e-003</b>	<b>0.0349</b>		<b>139.9885</b>	<b>139.9885</b>	<b>4.2500e-003</b>	<b>8.7400e-003</b>	<b>142.7014</b>

Alt 4 - Existing Site - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

Alt 4 - Existing Site - 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**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Alt 4 - Existing Site - 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**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

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

**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	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003
Unmitigated	5.0800e-003	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.0600e-003	3.0600e-003	1.0000e-005		3.2600e-003

Alt 4 - Existing Site - 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**

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			3.0600e-003	3.0600e-003	1.0000e-005	3.2600e-003
<b>Total</b>	<b>5.0700e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>3.2600e-003</b>

Alt 4 - Existing Site - 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**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			3.0600e-003	3.0600e-003	1.0000e-005	3.2600e-003
<b>Total</b>	<b>5.0700e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>3.0600e-003</b>	<b>3.0600e-003</b>	<b>1.0000e-005</b>	<b>3.2600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Alt 4 - Existing Site - 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**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Alt 4 - Future Site - 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**

**Alt 4 - Future Site**

**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.32	1000sqft	0.21	9,320.00	0
Parking Lot	5.49	1000sqft	0.13	5,490.00	0
Strip Mall	13.96	1000sqft	0.27	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on a future relocation site.

Land Use - Assumes that a future relocation site would be developed similarly as the existing site.

Construction Phase - "Building Construction" would consist of reassembling the Barry Building and connecting it to its new foundation and utilities. It would also include seismic upgrades, ADA compliance upgrades, and other renovations related to the Barry Building's preservation.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Alt 4 - Future Site - 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**

Grading - Consultant assumptions.

Trips and VMT - Consultant assumptions.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	2.00	15.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	310.00
tblGrading	AcresOfGrading	7.50	0.61
tblLandUse	LotAcreage	0.32	0.27
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Alt 4 - Future Site - 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**

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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Alt 4 - Future Site - 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**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1595	1.5110	1.1614	2.5100e-003	0.0641	0.0675	0.1316	0.0299	0.0627	0.0926	0.0000	216.7427	216.7427	0.0583	1.9500e-003	218.7815
2023	0.1375	0.6539	0.5255	1.1800e-003	8.4700e-003	0.0281	0.0365	2.2900e-003	0.0261	0.0284	0.0000	101.3012	101.3012	0.0268	8.6000e-004	102.2276
<b>Maximum</b>	<b>0.1595</b>	<b>1.5110</b>	<b>1.1614</b>	<b>2.5100e-003</b>	<b>0.0641</b>	<b>0.0675</b>	<b>0.1316</b>	<b>0.0299</b>	<b>0.0627</b>	<b>0.0926</b>	<b>0.0000</b>	<b>216.7427</b>	<b>216.7427</b>	<b>0.0583</b>	<b>1.9500e-003</b>	<b>218.7815</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1595	1.5110	1.1614	2.5100e-003	0.0267	0.0675	0.0941	0.0132	0.0627	0.0759	0.0000	216.7425	216.7425	0.0583	1.9500e-003	218.7813
2023	0.1375	0.6539	0.5255	1.1800e-003	2.8200e-003	0.0281	0.0309	9.0000e-004	0.0261	0.0270	0.0000	101.3011	101.3011	0.0268	8.6000e-004	102.2275
<b>Maximum</b>	<b>0.1595</b>	<b>1.5110</b>	<b>1.1614</b>	<b>2.5100e-003</b>	<b>0.0267</b>	<b>0.0675</b>	<b>0.0941</b>	<b>0.0132</b>	<b>0.0627</b>	<b>0.0759</b>	<b>0.0000</b>	<b>216.7425</b>	<b>216.7425</b>	<b>0.0583</b>	<b>1.9500e-003</b>	<b>218.7813</b>



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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
Percent Reduction	0.00	0.00	0.00	0.00	59.40	0.00	25.64	56.29	0.00	14.97	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-17-2022	4-16-2022	0.3033	0.3033
2	4-17-2022	7-16-2022	0.4723	0.4723
3	7-17-2022	10-16-2022	0.4776	0.4776
4	10-17-2022	1-16-2023	0.4714	0.4714
5	1-17-2023	4-16-2023	0.4305	0.4305
6	4-17-2023	7-16-2023	0.2542	0.2542
		Highest	0.4776	0.4776

Alt 4 - Future Site - 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**

**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	0.0581	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	59.0697	59.0697	2.7800e-003	3.6000e-004	59.2456
Mobile	0.2344	0.2338	2.0656	3.9900e-003	0.4048	3.0700e-003	0.4079	0.1080	2.8500e-003	0.1108	0.0000	369.0879	369.0879	0.0301	0.0184	375.3156
Waste						0.0000	0.0000		0.0000	0.0000	2.9759	0.0000	2.9759	0.1759	0.0000	7.3725
Water						0.0000	0.0000		0.0000	0.0000	0.3281	6.4362	6.7643	0.0340	8.3000e-004	7.8625
<b>Total</b>	<b>0.2926</b>	<b>0.2349</b>	<b>2.0669</b>	<b>4.0000e-003</b>	<b>0.4048</b>	<b>3.1500e-003</b>	<b>0.4080</b>	<b>0.1080</b>	<b>2.9300e-003</b>	<b>0.1109</b>	<b>3.3039</b>	<b>434.5946</b>	<b>437.8985</b>	<b>0.2428</b>	<b>0.0196</b>	<b>449.7970</b>

Alt 4 - Future Site - 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**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0581	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	59.0697	59.0697	2.7800e-003	3.6000e-004	59.2456
Mobile	0.2344	0.2338	2.0656	3.9900e-003	0.4048	3.0700e-003	0.4079	0.1080	2.8500e-003	0.1108	0.0000	369.0879	369.0879	0.0301	0.0184	375.3156
Waste						0.0000	0.0000		0.0000	0.0000	2.9759	0.0000	2.9759	0.1759	0.0000	7.3725
Water						0.0000	0.0000		0.0000	0.0000	0.3281	6.4362	6.7643	0.0340	8.3000e-004	7.8625
<b>Total</b>	<b>0.2926</b>	<b>0.2349</b>	<b>2.0669</b>	<b>4.0000e-003</b>	<b>0.4048</b>	<b>3.1500e-003</b>	<b>0.4080</b>	<b>0.1080</b>	<b>2.9300e-003</b>	<b>0.1109</b>	<b>3.3039</b>	<b>434.5946</b>	<b>437.8985</b>	<b>0.2428</b>	<b>0.0196</b>	<b>449.7970</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities Installation	Trenching	1/17/2022	1/28/2022	5	10	
2	Grading	Grading	1/31/2022	2/18/2022	5	15	
3	Build Foundation	Building Construction	2/21/2022	3/18/2022	5	20	

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

4	Building Construction	Building Construction	3/21/2022	5/26/2023	5	310
5	Paving	Paving	5/29/2023	6/2/2023	5	5
6	Architectural Coating	Architectural Coating	6/5/2023	6/9/2023	5	5

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.61**

**Acres of Paving: 0.34**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,934; Non-Residential Outdoor: 6,978; Striped Parking Area: 889 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Air Compressors	0	6.00	78	0.48
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Utilities Installation	Concrete/Industrial Saws	0		81	0.73
Build Foundation	Cranes	0	4.00	231	0.29
Build Foundation	Forklifts	1	8.00	89	0.20
Grading	Graders	0	6.00	187	0.41
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Pavers	0	7.00	130	0.42
Building Construction	Rollers	0	7.00	80	0.38
Utilities Installation	Rubber Tired Dozers	0		247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Build Foundation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29

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

Building Construction	Forklifts	2	8.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Build Foundation	Excavators	1	8.00	158	0.38
Grading	Rollers	1	8.00	80	0.38
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43

**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
Paving	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Build Foundation	3	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Installation	1	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

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

**3.2 Utilities Installation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
<b>Total</b>	<b>8.2000e-004</b>	<b>8.3800e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.3664</b>	<b>1.3664</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.3774</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.2900e-003	4.3000e-004	0.0000	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.4774	0.4774	2.0000e-005	7.0000e-005	0.4983
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
<b>Total</b>	<b>2.2000e-004</b>	<b>1.4300e-003</b>	<b>2.2800e-003</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>2.0000e-004</b>	<b>1.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.9280</b>	<b>0.9280</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.9529</b>

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

**3.2 Utilities Installation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
<b>Total</b>	<b>8.2000e-004</b>	<b>8.3800e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.3664</b>	<b>1.3664</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.3774</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.2900e-003	4.3000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4774	0.4774	2.0000e-005	7.0000e-005	0.4983
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
<b>Total</b>	<b>2.2000e-004</b>	<b>1.4300e-003</b>	<b>2.2800e-003</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.9280</b>	<b>0.9280</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.9529</b>

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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0455	0.0000	0.0455	0.0249	0.0000	0.0249	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1046	0.0818	1.5000e-004		5.1900e-003	5.1900e-003		4.7700e-003	4.7700e-003	0.0000	12.7858	12.7858	4.1400e-003	0.0000	12.8891
<b>Total</b>	<b>0.0103</b>	<b>0.1046</b>	<b>0.0818</b>	<b>1.5000e-004</b>	<b>0.0455</b>	<b>5.1900e-003</b>	<b>0.0507</b>	<b>0.0249</b>	<b>4.7700e-003</b>	<b>0.0296</b>	<b>0.0000</b>	<b>12.7858</b>	<b>12.7858</b>	<b>4.1400e-003</b>	<b>0.0000</b>	<b>12.8891</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.1000e-004	2.7800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6759	0.6759	2.0000e-005	2.0000e-005	0.6819
<b>Total</b>	<b>2.6000e-004</b>	<b>2.1000e-004</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>8.2000e-004</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.6759</b>	<b>0.6759</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6819</b>



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

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0205	0.0000	0.0205	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1046	0.0818	1.5000e-004		5.1900e-003	5.1900e-003		4.7700e-003	4.7700e-003	0.0000	12.7857	12.7857	4.1400e-003	0.0000	12.8891
<b>Total</b>	<b>0.0103</b>	<b>0.1046</b>	<b>0.0818</b>	<b>1.5000e-004</b>	<b>0.0205</b>	<b>5.1900e-003</b>	<b>0.0257</b>	<b>0.0112</b>	<b>4.7700e-003</b>	<b>0.0160</b>	<b>0.0000</b>	<b>12.7857</b>	<b>12.7857</b>	<b>4.1400e-003</b>	<b>0.0000</b>	<b>12.8891</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.1000e-004	2.7800e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.6759	0.6759	2.0000e-005	2.0000e-005	0.6819
<b>Total</b>	<b>2.6000e-004</b>	<b>2.1000e-004</b>	<b>2.7800e-003</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>1.0000e-005</b>	<b>2.6000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.6759</b>	<b>0.6759</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6819</b>

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

**3.4 Build Foundation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8100e-003	0.0451	0.0665	1.0000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	8.6118	8.6118	2.7900e-003	0.0000	8.6814
<b>Total</b>	<b>4.8100e-003</b>	<b>0.0451</b>	<b>0.0665</b>	<b>1.0000e-004</b>		<b>2.4600e-003</b>	<b>2.4600e-003</b>		<b>2.2600e-003</b>	<b>2.2600e-003</b>	<b>0.0000</b>	<b>8.6118</b>	<b>8.6118</b>	<b>2.7900e-003</b>	<b>0.0000</b>	<b>8.6814</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	2.5700e-003	8.5000e-004	1.0000e-005	3.2000e-004	2.0000e-005	3.4000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	0.9548	0.9548	3.0000e-005	1.4000e-004	0.9966
Worker	3.8000e-004	3.1000e-004	4.0800e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9914	0.9914	3.0000e-005	3.0000e-005	1.0002
<b>Total</b>	<b>4.8000e-004</b>	<b>2.8800e-003</b>	<b>4.9300e-003</b>	<b>2.0000e-005</b>	<b>1.5300e-003</b>	<b>3.0000e-005</b>	<b>1.5500e-003</b>	<b>4.1000e-004</b>	<b>3.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.9462</b>	<b>1.9462</b>	<b>6.0000e-005</b>	<b>1.7000e-004</b>	<b>1.9968</b>

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

**3.4 Build Foundation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8100e-003	0.0451	0.0665	1.0000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	8.6118	8.6118	2.7900e-003	0.0000	8.6814
<b>Total</b>	<b>4.8100e-003</b>	<b>0.0451</b>	<b>0.0665</b>	<b>1.0000e-004</b>		<b>2.4600e-003</b>	<b>2.4600e-003</b>		<b>2.2600e-003</b>	<b>2.2600e-003</b>	<b>0.0000</b>	<b>8.6118</b>	<b>8.6118</b>	<b>2.7900e-003</b>	<b>0.0000</b>	<b>8.6814</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	2.5700e-003	8.5000e-004	1.0000e-005	1.4000e-004	2.0000e-005	1.6000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	0.9548	0.9548	3.0000e-005	1.4000e-004	0.9966
Worker	3.8000e-004	3.1000e-004	4.0800e-003	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	0.9914	0.9914	3.0000e-005	3.0000e-005	1.0002
<b>Total</b>	<b>4.8000e-004</b>	<b>2.8800e-003</b>	<b>4.9300e-003</b>	<b>2.0000e-005</b>	<b>5.1000e-004</b>	<b>3.0000e-005</b>	<b>5.4000e-004</b>	<b>1.6000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9462</b>	<b>1.9462</b>	<b>6.0000e-005</b>	<b>1.7000e-004</b>	<b>1.9968</b>

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1378	1.3188	0.9414	2.0000e-003		0.0590	0.0590		0.0549	0.0549	0.0000	170.4806	170.4806	0.0502	0.0000	171.7349
<b>Total</b>	<b>0.1378</b>	<b>1.3188</b>	<b>0.9414</b>	<b>2.0000e-003</b>		<b>0.0590</b>	<b>0.0590</b>		<b>0.0549</b>	<b>0.0549</b>	<b>0.0000</b>	<b>170.4806</b>	<b>170.4806</b>	<b>0.0502</b>	<b>0.0000</b>	<b>171.7349</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-003	0.0264	8.7400e-003	1.0000e-004	3.2300e-003	2.4000e-004	3.4700e-003	9.3000e-004	2.3000e-004	1.1600e-003	0.0000	9.7866	9.7866	3.3000e-004	1.4100e-003	10.2155
Worker	3.8600e-003	3.2200e-003	0.0418	1.1000e-004	0.0124	8.0000e-005	0.0124	3.2800e-003	7.0000e-005	3.3600e-003	0.0000	10.1615	10.1615	2.9000e-004	2.8000e-004	10.2515
<b>Total</b>	<b>4.8600e-003</b>	<b>0.0296</b>	<b>0.0505</b>	<b>2.1000e-004</b>	<b>0.0156</b>	<b>3.2000e-004</b>	<b>0.0159</b>	<b>4.2100e-003</b>	<b>3.0000e-004</b>	<b>4.5200e-003</b>	<b>0.0000</b>	<b>19.9481</b>	<b>19.9481</b>	<b>6.2000e-004</b>	<b>1.6900e-003</b>	<b>20.4670</b>

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1378	1.3188	0.9414	2.0000e-003		0.0590	0.0590		0.0549	0.0549	0.0000	170.4804	170.4804	0.0502	0.0000	171.7347
<b>Total</b>	<b>0.1378</b>	<b>1.3188</b>	<b>0.9414</b>	<b>2.0000e-003</b>		<b>0.0590</b>	<b>0.0590</b>		<b>0.0549</b>	<b>0.0549</b>	<b>0.0000</b>	<b>170.4804</b>	<b>170.4804</b>	<b>0.0502</b>	<b>0.0000</b>	<b>171.7347</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-003	0.0264	8.7400e-003	1.0000e-004	1.4000e-003	2.4000e-004	1.6400e-003	4.8000e-004	2.3000e-004	7.1000e-004	0.0000	9.7866	9.7866	3.3000e-004	1.4100e-003	10.2155
Worker	3.8600e-003	3.2200e-003	0.0418	1.1000e-004	3.7900e-003	8.0000e-005	3.8700e-003	1.1800e-003	7.0000e-005	1.2500e-003	0.0000	10.1615	10.1615	2.9000e-004	2.8000e-004	10.2515
<b>Total</b>	<b>4.8600e-003</b>	<b>0.0296</b>	<b>0.0505</b>	<b>2.1000e-004</b>	<b>5.1900e-003</b>	<b>3.2000e-004</b>	<b>5.5100e-003</b>	<b>1.6600e-003</b>	<b>3.0000e-004</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>19.9481</b>	<b>19.9481</b>	<b>6.2000e-004</b>	<b>1.6900e-003</b>	<b>20.4670</b>

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**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	tons/yr										MT/yr					
Off-Road	0.0659	0.6231	0.4741	1.0300e-003		0.0271	0.0271		0.0252	0.0252	0.0000	87.3183	87.3183	0.0256	0.0000	87.9581
<b>Total</b>	<b>0.0659</b>	<b>0.6231</b>	<b>0.4741</b>	<b>1.0300e-003</b>		<b>0.0271</b>	<b>0.0271</b>		<b>0.0252</b>	<b>0.0252</b>	<b>0.0000</b>	<b>87.3183</b>	<b>87.3183</b>	<b>0.0256</b>	<b>0.0000</b>	<b>87.9581</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0106	3.9600e-003	5.0000e-005	1.6500e-003	5.0000e-005	1.7100e-003	4.8000e-004	5.0000e-005	5.3000e-004	0.0000	4.7728	4.7728	1.6000e-004	6.9000e-004	4.9815
Worker	1.8300e-003	1.4500e-003	0.0197	5.0000e-005	6.3300e-003	4.0000e-005	6.3700e-003	1.6800e-003	4.0000e-005	1.7200e-003	0.0000	5.0372	5.0372	1.3000e-004	1.3000e-004	5.0796
<b>Total</b>	<b>2.1300e-003</b>	<b>0.0120</b>	<b>0.0236</b>	<b>1.0000e-004</b>	<b>7.9800e-003</b>	<b>9.0000e-005</b>	<b>8.0800e-003</b>	<b>2.1600e-003</b>	<b>9.0000e-005</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>9.8100</b>	<b>9.8100</b>	<b>2.9000e-004</b>	<b>8.2000e-004</b>	<b>10.0611</b>

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

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0659	0.6231	0.4741	1.0300e-003		0.0271	0.0271		0.0252	0.0252	0.0000	87.3182	87.3182	0.0256	0.0000	87.9580
<b>Total</b>	<b>0.0659</b>	<b>0.6231</b>	<b>0.4741</b>	<b>1.0300e-003</b>		<b>0.0271</b>	<b>0.0271</b>		<b>0.0252</b>	<b>0.0252</b>	<b>0.0000</b>	<b>87.3182</b>	<b>87.3182</b>	<b>0.0256</b>	<b>0.0000</b>	<b>87.9580</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0106	3.9600e-003	5.0000e-005	7.2000e-004	5.0000e-005	7.7000e-004	2.5000e-004	5.0000e-005	3.0000e-004	0.0000	4.7728	4.7728	1.6000e-004	6.9000e-004	4.9815
Worker	1.8300e-003	1.4500e-003	0.0197	5.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	6.0000e-004	4.0000e-005	6.4000e-004	0.0000	5.0372	5.0372	1.3000e-004	1.3000e-004	5.0796
<b>Total</b>	<b>2.1300e-003</b>	<b>0.0120</b>	<b>0.0236</b>	<b>1.0000e-004</b>	<b>2.6600e-003</b>	<b>9.0000e-005</b>	<b>2.7500e-003</b>	<b>8.5000e-004</b>	<b>9.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>9.8100</b>	<b>9.8100</b>	<b>2.9000e-004</b>	<b>8.2000e-004</b>	<b>10.0611</b>

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

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4900e-003	0.0138	0.0202	3.0000e-005		6.5000e-004	6.5000e-004		6.1000e-004	6.1000e-004	0.0000	2.7674	2.7674	8.6000e-004	0.0000	2.7889
Paving	4.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.9400e-003</b>	<b>0.0138</b>	<b>0.0202</b>	<b>3.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>2.7674</b>	<b>2.7674</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>2.7889</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.0000e-004	1.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2273	0.2273	1.0000e-005	3.0000e-005	0.2372
Worker	1.0000e-004	8.0000e-005	1.1100e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2835	0.2835	1.0000e-005	1.0000e-005	0.2859
<b>Total</b>	<b>1.1000e-004</b>	<b>5.8000e-004</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.5108</b>	<b>0.5108</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.5231</b>



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

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4900e-003	0.0138	0.0202	3.0000e-005		6.5000e-004	6.5000e-004		6.1000e-004	6.1000e-004	0.0000	2.7674	2.7674	8.6000e-004	0.0000	2.7889
Paving	4.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.9400e-003</b>	<b>0.0138</b>	<b>0.0202</b>	<b>3.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>2.7674</b>	<b>2.7674</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>2.7889</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.0000e-004	1.9000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2273	0.2273	1.0000e-005	3.0000e-005	0.2372
Worker	1.0000e-004	8.0000e-005	1.1100e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.2835	0.2835	1.0000e-005	1.0000e-005	0.2859
<b>Total</b>	<b>1.1000e-004</b>	<b>5.8000e-004</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.5108</b>	<b>0.5108</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.5231</b>

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524
<b>Total</b>	<b>0.0674</b>	<b>4.3400e-003</b>	<b>6.0400e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8511</b>	<b>0.8511</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.8524</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0436	0.0436	0.0000	0.0000	0.0440
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0440</b>

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524
<b>Total</b>	<b>0.0674</b>	<b>4.3400e-003</b>	<b>6.0400e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8511</b>	<b>0.8511</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.8524</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0436	0.0436	0.0000	0.0000	0.0440
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0440</b>

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**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	tons/yr										MT/yr					
Mitigated	0.2344	0.2338	2.0656	3.9900e-003	0.4048	3.0700e-003	0.4079	0.1080	2.8500e-003	0.1108	0.0000	369.0879	369.0879	0.0301	0.0184	375.3156
Unmitigated	0.2344	0.2338	2.0656	3.9900e-003	0.4048	3.0700e-003	0.4079	0.1080	2.8500e-003	0.1108	0.0000	369.0879	369.0879	0.0301	0.0184	375.3156

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	618.53	586.71	285.12	1,077,543	1,077,543
Total	618.53	586.71	285.12	1,077,543	1,077,543

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Strip Mall	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	57.8558	57.8558	2.7600e-003	3.3000e-004	58.0244
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	57.8558	57.8558	2.7600e-003	3.3000e-004	58.0244
NaturalGas Mitigated	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2139	1.2139	2.0000e-005	2.0000e-005	1.2212
NaturalGas Unmitigated	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2139	1.2139	2.0000e-005	2.0000e-005	1.2212

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	22748.3	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2139	1.2139	2.0000e-005	2.0000e-005	1.2212
<b>Total</b>		<b>1.2000e-004</b>	<b>1.1200e-003</b>	<b>9.4000e-004</b>	<b>1.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.2139</b>	<b>1.2139</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.2212</b>

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	22748.3	1.2000e-004	1.1200e-003	9.4000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2139	1.2139	2.0000e-005	2.0000e-005	1.2212
<b>Total</b>		<b>1.2000e-004</b>	<b>1.1200e-003</b>	<b>9.4000e-004</b>	<b>1.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.2139</b>	<b>1.2139</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.2212</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1921.5	0.6031	3.0000e-005	0.0000	0.6049
Strip Mall	182405	57.2527	2.7300e-003	3.3000e-004	57.4196
<b>Total</b>		<b>57.8558</b>	<b>2.7600e-003</b>	<b>3.3000e-004</b>	<b>58.0244</b>



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

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1921.5	0.6031	3.0000e-005	0.0000	0.6049
Strip Mall	182405	57.2527	2.7300e-003	3.3000e-004	57.4196
<b>Total</b>		<b>57.8558</b>	<b>2.7600e-003</b>	<b>3.3000e-004</b>	<b>58.0244</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	0.0581	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Unmitigated	0.0581	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-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	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.0581</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

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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**

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	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
<b>Total</b>	<b>0.0581</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.6000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Alt 4 - Future Site - 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 CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.7643	0.0340	8.3000e-004	7.8625
Unmitigated	6.7643	0.0340	8.3000e-004	7.8625

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.03405 / 0.633774	6.7643	0.0340	8.3000e-004	7.8625
<b>Total</b>		<b>6.7643</b>	<b>0.0340</b>	<b>8.3000e-004</b>	<b>7.8625</b>

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

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.03405 / 0.633774	6.7643	0.0340	8.3000e-004	7.8625
<b>Total</b>		<b>6.7643</b>	<b>0.0340</b>	<b>8.3000e-004</b>	<b>7.8625</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Alt 4 - Future Site - 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	2.9759	0.1759	0.0000	7.3725
Unmitigated	2.9759	0.1759	0.0000	7.3725

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	14.66	2.9759	0.1759	0.0000	7.3725
<b>Total</b>		<b>2.9759</b>	<b>0.1759</b>	<b>0.0000</b>	<b>7.3725</b>

Alt 4 - Future Site - 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**

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	14.66	2.9759	0.1759	0.0000	7.3725
<b>Total</b>		<b>2.9759</b>	<b>0.1759</b>	<b>0.0000</b>	<b>7.3725</b>

**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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Alt 4 - Future Site - 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**

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Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**Alt 4 - Future Site  
Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.32	1000sqft	0.21	9,320.00	0
Parking Lot	5.49	1000sqft	0.13	5,490.00	0
Strip Mall	13.96	1000sqft	0.27	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	691.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on a future relocation site.

Land Use - Assumes that a future relocation site would be developed similarly as the existing site.

Construction Phase - "Building Construction" would consist of reassembling the Barry Building and connecting it to its new foundation and utilities. It would also include seismic upgrades, ADA compliance upgrades, and other renovations related to the Barry Building's preservation.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

Grading - Consultant assumptions.

Trips and VMT - Consultant assumptions.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	2.00	15.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	310.00
tblGrading	AcresOfGrading	7.50	0.61
tblLandUse	LotAcreage	0.32	0.27
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**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					
2022	1.4030	13.9756	11.3055	0.0216	6.1770	0.6923	6.8693	3.3445	0.6369	3.9815	0.0000	2,052.301 4	2,052.301 4	0.6106	0.0179	2,071.295 5
2023	26.9605	12.0857	9.5023	0.0216	0.1773	0.5176	0.6726	0.0478	0.4818	0.5236	0.0000	2,043.519 3	2,043.519 3	0.5435	0.0174	2,062.154 2
<b>Maximum</b>	<b>26.9605</b>	<b>13.9756</b>	<b>11.3055</b>	<b>0.0216</b>	<b>6.1770</b>	<b>0.6923</b>	<b>6.8693</b>	<b>3.3445</b>	<b>0.6369</b>	<b>3.9815</b>	<b>0.0000</b>	<b>2,052.301 4</b>	<b>2,052.301 4</b>	<b>0.6106</b>	<b>0.0179</b>	<b>2,071.295 5</b>

**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					
2022	1.4030	13.9756	11.3055	0.0216	2.7634	0.6923	3.4557	1.5023	0.6369	2.1392	0.0000	2,052.301 4	2,052.301 4	0.6106	0.0179	2,071.295 5
2023	26.9605	12.0857	9.5023	0.0216	0.0580	0.5176	0.5688	0.0185	0.4818	0.4981	0.0000	2,043.519 3	2,043.519 3	0.5435	0.0174	2,062.154 2
<b>Maximum</b>	<b>26.9605</b>	<b>13.9756</b>	<b>11.3055</b>	<b>0.0216</b>	<b>2.7634</b>	<b>0.6923</b>	<b>3.4557</b>	<b>1.5023</b>	<b>0.6369</b>	<b>2.1392</b>	<b>0.0000</b>	<b>2,052.301 4</b>	<b>2,052.301 4</b>	<b>0.6106</b>	<b>0.0179</b>	<b>2,071.295 5</b>



Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Energy	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
Mobile	1.4753	1.2854	12.3641	0.0247	2.4774	0.0184	2.4958	0.6599	0.0171	0.6770		2,521.3414	2,521.3414	0.1921	0.1157	2,560.6203
<b>Total</b>	<b>1.7944</b>	<b>1.2915</b>	<b>12.3722</b>	<b>0.0248</b>	<b>2.4774</b>	<b>0.0189</b>	<b>2.4963</b>	<b>0.6599</b>	<b>0.0176</b>	<b>0.6775</b>		<b>2,528.6799</b>	<b>2,528.6799</b>	<b>0.1922</b>	<b>0.1158</b>	<b>2,568.0028</b>

**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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Energy	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
Mobile	1.4753	1.2854	12.3641	0.0247	2.4774	0.0184	2.4958	0.6599	0.0171	0.6770		2,521.3414	2,521.3414	0.1921	0.1157	2,560.6203
<b>Total</b>	<b>1.7944</b>	<b>1.2915</b>	<b>12.3722</b>	<b>0.0248</b>	<b>2.4774</b>	<b>0.0189</b>	<b>2.4963</b>	<b>0.6599</b>	<b>0.0176</b>	<b>0.6775</b>		<b>2,528.6799</b>	<b>2,528.6799</b>	<b>0.1922</b>	<b>0.1158</b>	<b>2,568.0028</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

**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
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	Utilities Installation	Trenching	1/17/2022	1/28/2022	5	10	
2	Grading	Grading	1/31/2022	2/18/2022	5	15	
3	Build Foundation	Building Construction	2/21/2022	3/18/2022	5	20	
4	Building Construction	Building Construction	3/21/2022	5/26/2023	5	310	
5	Paving	Paving	5/29/2023	6/2/2023	5	5	
6	Architectural Coating	Architectural Coating	6/5/2023	6/9/2023	5	5	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.61**

**Acres of Paving: 0.34**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,934; Non-Residential Outdoor: 6,978; Striped Parking Area: 889 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Air Compressors	0	6.00	78	0.48
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Utilities Installation	Concrete/Industrial Saws	0		81	0.73
Build Foundation	Cranes	0	4.00	231	0.29
Build Foundation	Forklifts	1	8.00	89	0.20

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

Grading	Graders	0	6.00	187	0.41
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Pavers	0	7.00	130	0.42
Building Construction	Rollers	0	7.00	80	0.38
Utilities Installation	Rubber Tired Dozers	0		247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Build Foundation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Build Foundation	Excavators	1	8.00	158	0.38
Grading	Rollers	1	8.00	80	0.38
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43

**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
Paving	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT



Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

Build Foundation	3	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Installation	1	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

**3.2 Utilities Installation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.2 Utilities Installation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0320	2.3300e-003	0.0344	9.2200e-003	2.2300e-003	0.0115		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0444</b>	<b>0.2702</b>	<b>0.4776</b>	<b>2.0000e-003</b>	<b>0.1438</b>	<b>3.0500e-003</b>	<b>0.1469</b>	<b>0.0389</b>	<b>2.8900e-003</b>	<b>0.0418</b>		<b>208.5750</b>	<b>208.5750</b>	<b>6.3400e-003</b>	<b>0.0177</b>	<b>213.9978</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.2 Utilities Installation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0138	2.3300e-003	0.0161	4.7400e-003	2.2300e-003	6.9700e-003		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.0340	7.2000e-004	0.0348	0.0106	6.6000e-004	0.0112		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0444</b>	<b>0.2702</b>	<b>0.4776</b>	<b>2.0000e-003</b>	<b>0.0478</b>	<b>3.0500e-003</b>	<b>0.0509</b>	<b>0.0153</b>	<b>2.8900e-003</b>	<b>0.0182</b>		<b>208.5750</b>	<b>208.5750</b>	<b>6.3400e-003</b>	<b>0.0177</b>	<b>213.9978</b>

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0652	0.0000	6.0652	3.3149	0.0000	3.3149			0.0000			0.0000
Off-Road	1.3684	13.9504	10.9119	0.0194		0.6916	0.6916		0.6363	0.6363		1,879.1837	1,879.1837	0.6078		1,894.3778
<b>Total</b>	<b>1.3684</b>	<b>13.9504</b>	<b>10.9119</b>	<b>0.0194</b>	<b>6.0652</b>	<b>0.6916</b>	<b>6.7568</b>	<b>3.3149</b>	<b>0.6363</b>	<b>3.9512</b>		<b>1,879.1837</b>	<b>1,879.1837</b>	<b>0.6078</b>		<b>1,894.3778</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.3 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0346</b>	<b>0.0253</b>	<b>0.3936</b>	<b>1.0200e-003</b>	<b>0.1118</b>	<b>7.2000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.6000e-004</b>	<b>0.0303</b>		<b>103.3442</b>	<b>103.3442</b>	<b>2.8200e-003</b>	<b>2.5000e-003</b>	<b>104.1603</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7294	0.0000	2.7294	1.4917	0.0000	1.4917			0.0000			0.0000
Off-Road	1.3684	13.9504	10.9119	0.0194		0.6916	0.6916		0.6363	0.6363	0.0000	1,879.1837	1,879.1837	0.6078		1,894.3778
<b>Total</b>	<b>1.3684</b>	<b>13.9504</b>	<b>10.9119</b>	<b>0.0194</b>	<b>2.7294</b>	<b>0.6916</b>	<b>3.4210</b>	<b>1.4917</b>	<b>0.6363</b>	<b>2.1280</b>	<b>0.0000</b>	<b>1,879.1837</b>	<b>1,879.1837</b>	<b>0.6078</b>		<b>1,894.3778</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.3 Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.0340	7.2000e-004	0.0348	0.0106	6.6000e-004	0.0112		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
<b>Total</b>	<b>0.0346</b>	<b>0.0253</b>	<b>0.3936</b>	<b>1.0200e-003</b>	<b>0.0340</b>	<b>7.2000e-004</b>	<b>0.0348</b>	<b>0.0106</b>	<b>6.6000e-004</b>	<b>0.0112</b>		<b>103.3442</b>	<b>103.3442</b>	<b>2.8200e-003</b>	<b>2.5000e-003</b>	<b>104.1603</b>

**3.4 Build Foundation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4807	4.5075	6.6468	9.8100e-003		0.2459	0.2459		0.2262	0.2262		949.2851	949.2851	0.3070		956.9605
<b>Total</b>	<b>0.4807</b>	<b>4.5075</b>	<b>6.6468</b>	<b>9.8100e-003</b>		<b>0.2459</b>	<b>0.2459</b>		<b>0.2262</b>	<b>0.2262</b>		<b>949.2851</b>	<b>949.2851</b>	<b>0.3070</b>		<b>956.9605</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.4 Build Foundation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0320	2.3300e-003	0.0344	9.2200e-003	2.2300e-003	0.0115		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0381	0.0278	0.4329	1.1200e-003	0.1230	7.9000e-004	0.1237	0.0326	7.2000e-004	0.0333		113.6786	113.6786	3.1000e-003	2.7500e-003	114.5763
<b>Total</b>	<b>0.0479</b>	<b>0.2727</b>	<b>0.5169</b>	<b>2.1000e-003</b>	<b>0.1550</b>	<b>3.1200e-003</b>	<b>0.1581</b>	<b>0.0418</b>	<b>2.9500e-003</b>	<b>0.0448</b>		<b>218.9094</b>	<b>218.9094</b>	<b>6.6200e-003</b>	<b>0.0179</b>	<b>224.4139</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4807	4.5075	6.6468	9.8100e-003		0.2459	0.2459		0.2262	0.2262	0.0000	949.2851	949.2851	0.3070		956.9605
<b>Total</b>	<b>0.4807</b>	<b>4.5075</b>	<b>6.6468</b>	<b>9.8100e-003</b>		<b>0.2459</b>	<b>0.2459</b>		<b>0.2262</b>	<b>0.2262</b>	<b>0.0000</b>	<b>949.2851</b>	<b>949.2851</b>	<b>0.3070</b>		<b>956.9605</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.4 Build Foundation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0138	2.3300e-003	0.0161	4.7400e-003	2.2300e-003	6.9700e-003		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0381	0.0278	0.4329	1.1200e-003	0.0374	7.9000e-004	0.0382	0.0116	7.2000e-004	0.0123		113.6786	113.6786	3.1000e-003	2.7500e-003	114.5763
<b>Total</b>	<b>0.0479</b>	<b>0.2727</b>	<b>0.5169</b>	<b>2.1000e-003</b>	<b>0.0512</b>	<b>3.1200e-003</b>	<b>0.0543</b>	<b>0.0164</b>	<b>2.9500e-003</b>	<b>0.0193</b>		<b>218.9094</b>	<b>218.9094</b>	<b>6.6200e-003</b>	<b>0.0179</b>	<b>224.4139</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	12.8665	9.1841	0.0195		0.5758	0.5758		0.5360	0.5360		1,833.3920	1,833.3920	0.5396		1,846.8817
<b>Total</b>	<b>1.3445</b>	<b>12.8665</b>	<b>9.1841</b>	<b>0.0195</b>		<b>0.5758</b>	<b>0.5758</b>		<b>0.5360</b>	<b>0.5360</b>		<b>1,833.3920</b>	<b>1,833.3920</b>	<b>0.5396</b>		<b>1,846.8817</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0320	2.3300e-003	0.0344	9.2200e-003	2.2300e-003	0.0115		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0381	0.0278	0.4329	1.1200e-003	0.1230	7.9000e-004	0.1237	0.0326	7.2000e-004	0.0333		113.6786	113.6786	3.1000e-003	2.7500e-003	114.5763
<b>Total</b>	<b>0.0479</b>	<b>0.2727</b>	<b>0.5169</b>	<b>2.1000e-003</b>	<b>0.1550</b>	<b>3.1200e-003</b>	<b>0.1581</b>	<b>0.0418</b>	<b>2.9500e-003</b>	<b>0.0448</b>		<b>218.9094</b>	<b>218.9094</b>	<b>6.6200e-003</b>	<b>0.0179</b>	<b>224.4139</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	12.8665	9.1841	0.0195		0.5758	0.5758		0.5360	0.5360	0.0000	1,833.3920	1,833.3920	0.5396		1,846.8817
<b>Total</b>	<b>1.3445</b>	<b>12.8665</b>	<b>9.1841</b>	<b>0.0195</b>		<b>0.5758</b>	<b>0.5758</b>		<b>0.5360</b>	<b>0.5360</b>	<b>0.0000</b>	<b>1,833.3920</b>	<b>1,833.3920</b>	<b>0.5396</b>		<b>1,846.8817</b>



Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.2449	0.0840	9.8000e-004	0.0138	2.3300e-003	0.0161	4.7400e-003	2.2300e-003	6.9700e-003		105.2308	105.2308	3.5200e-003	0.0152	109.8376
Worker	0.0381	0.0278	0.4329	1.1200e-003	0.0374	7.9000e-004	0.0382	0.0116	7.2000e-004	0.0123		113.6786	113.6786	3.1000e-003	2.7500e-003	114.5763
<b>Total</b>	<b>0.0479</b>	<b>0.2727</b>	<b>0.5169</b>	<b>2.1000e-003</b>	<b>0.0512</b>	<b>3.1200e-003</b>	<b>0.0543</b>	<b>0.0164</b>	<b>2.9500e-003</b>	<b>0.0193</b>		<b>218.9094</b>	<b>218.9094</b>	<b>6.6200e-003</b>	<b>0.0179</b>	<b>224.4139</b>

**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	1.2555	11.8693	9.0304	0.0195		0.5159	0.5159		0.4802	0.4802		1,833.3698	1,833.3698	0.5374		1,846.8045
<b>Total</b>	<b>1.2555</b>	<b>11.8693</b>	<b>9.0304</b>	<b>0.0195</b>		<b>0.5159</b>	<b>0.5159</b>		<b>0.4802</b>	<b>0.4802</b>		<b>1,833.3698</b>	<b>1,833.3698</b>	<b>0.5374</b>		<b>1,846.8045</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

**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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0320	9.6000e-004	0.0330	9.2200e-003	9.2000e-004	0.0101		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0352	0.0245	0.3975	1.0900e-003	0.1230	7.4000e-004	0.1237	0.0326	6.8000e-004	0.0333		110.0083	110.0083	2.7700e-003	2.5400e-003	110.8342
<b>Total</b>	<b>0.0410</b>	<b>0.2165</b>	<b>0.4719</b>	<b>2.0200e-003</b>	<b>0.1550</b>	<b>1.7000e-003</b>	<b>0.1567</b>	<b>0.0418</b>	<b>1.6000e-003</b>	<b>0.0434</b>		<b>210.1495</b>	<b>210.1495</b>	<b>6.1300e-003</b>	<b>0.0169</b>	<b>215.3497</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2555	11.8693	9.0304	0.0195		0.5159	0.5159		0.4802	0.4802	0.0000	1,833.3698	1,833.3698	0.5374		1,846.8045
<b>Total</b>	<b>1.2555</b>	<b>11.8693</b>	<b>9.0304</b>	<b>0.0195</b>		<b>0.5159</b>	<b>0.5159</b>		<b>0.4802</b>	<b>0.4802</b>	<b>0.0000</b>	<b>1,833.3698</b>	<b>1,833.3698</b>	<b>0.5374</b>		<b>1,846.8045</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0138	9.6000e-004	0.0148	4.7400e-003	9.2000e-004	5.6700e-003		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0352	0.0245	0.3975	1.0900e-003	0.0374	7.4000e-004	0.0382	0.0116	6.8000e-004	0.0123		110.0083	110.0083	2.7700e-003	2.5400e-003	110.8342
<b>Total</b>	<b>0.0410</b>	<b>0.2165</b>	<b>0.4719</b>	<b>2.0200e-003</b>	<b>0.0512</b>	<b>1.7000e-003</b>	<b>0.0529</b>	<b>0.0164</b>	<b>1.6000e-003</b>	<b>0.0180</b>		<b>210.1495</b>	<b>210.1495</b>	<b>6.1300e-003</b>	<b>0.0169</b>	<b>215.3497</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5942	5.5240	8.0921	0.0129		0.2619	0.2619		0.2425	0.2425		1,220.2197	1,220.2197	0.3795		1,229.7072
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7724</b>	<b>5.5240</b>	<b>8.0921</b>	<b>0.0129</b>		<b>0.2619</b>	<b>0.2619</b>		<b>0.2425</b>	<b>0.2425</b>		<b>1,220.2197</b>	<b>1,220.2197</b>	<b>0.3795</b>		<b>1,229.7072</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0320	9.6000e-004	0.0330	9.2200e-003	9.2000e-004	0.0101		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0416	0.0290	0.4698	1.2900e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		130.0098	130.0098	3.2800e-003	3.0000e-003	130.9859
<b>Total</b>	<b>0.0474</b>	<b>0.2209</b>	<b>0.5442</b>	<b>2.2200e-003</b>	<b>0.1773</b>	<b>1.8300e-003</b>	<b>0.1792</b>	<b>0.0478</b>	<b>1.7200e-003</b>	<b>0.0495</b>		<b>230.1510</b>	<b>230.1510</b>	<b>6.6400e-003</b>	<b>0.0174</b>	<b>235.5014</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5942	5.5240	8.0921	0.0129		0.2619	0.2619		0.2425	0.2425	0.0000	1,220.2197	1,220.2197	0.3795		1,229.7072
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7724</b>	<b>5.5240</b>	<b>8.0921</b>	<b>0.0129</b>		<b>0.2619</b>	<b>0.2619</b>		<b>0.2425</b>	<b>0.2425</b>	<b>0.0000</b>	<b>1,220.2197</b>	<b>1,220.2197</b>	<b>0.3795</b>		<b>1,229.7072</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0138	9.6000e-004	0.0148	4.7400e-003	9.2000e-004	5.6700e-003		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0416	0.0290	0.4698	1.2900e-003	0.0443	8.7000e-004	0.0451	0.0137	8.0000e-004	0.0145		130.0098	130.0098	3.2800e-003	3.0000e-003	130.9859
<b>Total</b>	<b>0.0474</b>	<b>0.2209</b>	<b>0.5442</b>	<b>2.2200e-003</b>	<b>0.0580</b>	<b>1.8300e-003</b>	<b>0.0599</b>	<b>0.0185</b>	<b>1.7200e-003</b>	<b>0.0202</b>		<b>230.1510</b>	<b>230.1510</b>	<b>6.6400e-003</b>	<b>0.0174</b>	<b>235.5014</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.6985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>26.9541</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-003	4.4600e-003	0.0723	2.0000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		20.0015	20.0015	5.0000e-004	4.6000e-004	20.1517
<b>Total</b>	<b>6.4000e-003</b>	<b>4.4600e-003</b>	<b>0.0723</b>	<b>2.0000e-004</b>	<b>0.0224</b>	<b>1.3000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.2000e-004</b>	<b>6.0500e-003</b>		<b>20.0015</b>	<b>20.0015</b>	<b>5.0000e-004</b>	<b>4.6000e-004</b>	<b>20.1517</b>

**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	26.6985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>26.9541</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-003	4.4600e-003	0.0723	2.0000e-004	6.8100e-003	1.3000e-004	6.9400e-003	2.1100e-003	1.2000e-004	2.2400e-003		20.0015	20.0015	5.0000e-004	4.6000e-004	20.1517
<b>Total</b>	<b>6.4000e-003</b>	<b>4.4600e-003</b>	<b>0.0723</b>	<b>2.0000e-004</b>	<b>6.8100e-003</b>	<b>1.3000e-004</b>	<b>6.9400e-003</b>	<b>2.1100e-003</b>	<b>1.2000e-004</b>	<b>2.2400e-003</b>		<b>20.0015</b>	<b>20.0015</b>	<b>5.0000e-004</b>	<b>4.6000e-004</b>	<b>20.1517</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

**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	1.4753	1.2854	12.3641	0.0247	2.4774	0.0184	2.4958	0.6599	0.0171	0.6770		2,521,341 <sub>4</sub>	2,521,341 <sub>4</sub>	0.1921	0.1157	2,560,620 <sub>3</sub>
Unmitigated	1.4753	1.2854	12.3641	0.0247	2.4774	0.0184	2.4958	0.6599	0.0171	0.6770		2,521,341 <sub>4</sub>	2,521,341 <sub>4</sub>	0.1921	0.1157	2,560,620 <sub>3</sub>

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	618.53	586.71	285.12	1,077,543	1,077,543
Total	618.53	586.71	285.12	1,077,543	1,077,543

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374



Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

Strip Mall	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
NaturalGas Unmitigated	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	62.3241	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
<b>Total</b>		<b>6.7000e-004</b>	<b>6.1100e-003</b>	<b>5.1300e-003</b>	<b>4.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>7.3322</b>	<b>7.3322</b>	<b>1.4000e-004</b>	<b>1.3000e-004</b>	<b>7.3758</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0623241	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
<b>Total</b>		<b>6.7000e-004</b>	<b>6.1100e-003</b>	<b>5.1300e-003</b>	<b>4.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>7.3322</b>	<b>7.3322</b>	<b>1.4000e-004</b>	<b>1.3000e-004</b>	<b>7.3758</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

**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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Unmitigated	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-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	0.0366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
<b>Total</b>	<b>0.3184</b>	<b>3.0000e-005</b>	<b>2.9400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>6.3000e-003</b>	<b>6.3000e-003</b>	<b>2.0000e-005</b>		<b>6.7100e-003</b>

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.3000e-003	6.3000e-003	2.0000e-005	6.7100e-003
<b>Total</b>	<b>0.3184</b>	<b>3.0000e-005</b>	<b>2.9400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>6.3000e-003</b>	<b>6.3000e-003</b>	<b>2.0000e-005</b>	<b>6.7100e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Alt 4 - Future Site - Los Angeles-South Coast County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Alt 4 - Future Site - 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**

**Alt 4 - Future Site  
Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.32	1000sqft	0.21	9,320.00	0
Parking Lot	5.49	1000sqft	0.13	5,490.00	0
Strip Mall	13.96	1000sqft	0.27	13,956.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - This scenario estimates pollutants that could be emitted as a result of Alternative 4's activities on a future relocation site.

Land Use - Assumes that a future relocation site would be developed similarly as the existing site.

Construction Phase - "Building Construction" would consist of reassembling the Barry Building and connecting it to its new foundation and utilities. It would also include seismic upgrades, ADA compliance upgrades, and other renovations related to the Barry Building's preservation.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Alt 4 - Future Site - 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**

Grading - Consultant assumptions.

Trips and VMT - Consultant assumptions.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	2.00	15.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	310.00
tblGrading	AcresOfGrading	7.50	0.61
tblLandUse	LotAcreage	0.32	0.27
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00



Alt 4 - Future Site - 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**

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00

**2.0 Emissions Summary**

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Alt 4 - Future Site - 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**

**2.1 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					
2022	1.4055	13.9783	11.2733	0.0216	6.1770	0.6923	6.8693	3.3445	0.6369	3.9815	0.0000	2,046.3307	2,046.3307	0.6106	0.0181	2,065.3875
2023	26.9610	12.0973	9.4725	0.0215	0.1773	0.5176	0.6726	0.0478	0.4818	0.5236	0.0000	2,037.8889	2,037.8889	0.5435	0.0176	2,056.5873
<b>Maximum</b>	<b>26.9610</b>	<b>13.9783</b>	<b>11.2733</b>	<b>0.0216</b>	<b>6.1770</b>	<b>0.6923</b>	<b>6.8693</b>	<b>3.3445</b>	<b>0.6369</b>	<b>3.9815</b>	<b>0.0000</b>	<b>2,046.3307</b>	<b>2,046.3307</b>	<b>0.6106</b>	<b>0.0181</b>	<b>2,065.3875</b>

**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					
2022	1.4055	13.9783	11.2733	0.0216	2.7634	0.6923	3.4557	1.5023	0.6369	2.1392	0.0000	2,046.3307	2,046.3307	0.6106	0.0181	2,065.3875
2023	26.9610	12.0973	9.4725	0.0215	0.0580	0.5176	0.5688	0.0185	0.4818	0.4981	0.0000	2,037.8889	2,037.8889	0.5435	0.0176	2,056.5873
<b>Maximum</b>	<b>26.9610</b>	<b>13.9783</b>	<b>11.2733</b>	<b>0.0216</b>	<b>2.7634</b>	<b>0.6923</b>	<b>3.4557</b>	<b>1.5023</b>	<b>0.6369</b>	<b>2.1392</b>	<b>0.0000</b>	<b>2,046.3307</b>	<b>2,046.3307</b>	<b>0.6106</b>	<b>0.0181</b>	<b>2,065.3875</b>



Alt 4 - Future Site - 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**

**2.2 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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Energy	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
Mobile	1.4384	1.3894	12.3365	0.0237	2.4774	0.0185	2.4958	0.6599	0.0171	0.6770		2,416.0867	2,416.0867	0.2008	0.1212	2,457.2164
<b>Total</b>	<b>1.7575</b>	<b>1.3955</b>	<b>12.3445</b>	<b>0.0237</b>	<b>2.4774</b>	<b>0.0189</b>	<b>2.4963</b>	<b>0.6599</b>	<b>0.0176</b>	<b>0.6775</b>		<b>2,423.4252</b>	<b>2,423.4252</b>	<b>0.2009</b>	<b>0.1213</b>	<b>2,464.5989</b>

**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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Energy	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
Mobile	1.4384	1.3894	12.3365	0.0237	2.4774	0.0185	2.4958	0.6599	0.0171	0.6770		2,416.0867	2,416.0867	0.2008	0.1212	2,457.2164
<b>Total</b>	<b>1.7575</b>	<b>1.3955</b>	<b>12.3445</b>	<b>0.0237</b>	<b>2.4774</b>	<b>0.0189</b>	<b>2.4963</b>	<b>0.6599</b>	<b>0.0176</b>	<b>0.6775</b>		<b>2,423.4252</b>	<b>2,423.4252</b>	<b>0.2009</b>	<b>0.1213</b>	<b>2,464.5989</b>

Alt 4 - Future Site - 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
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	Utilities Installation	Trenching	1/17/2022	1/28/2022	5	10	
2	Grading	Grading	1/31/2022	2/18/2022	5	15	
3	Build Foundation	Building Construction	2/21/2022	3/18/2022	5	20	
4	Building Construction	Building Construction	3/21/2022	5/26/2023	5	310	
5	Paving	Paving	5/29/2023	6/2/2023	5	5	
6	Architectural Coating	Architectural Coating	6/5/2023	6/9/2023	5	5	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0.61**

**Acres of Paving: 0.34**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,934; Non-Residential Outdoor: 6,978; Striped Parking Area: 889 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Air Compressors	0	6.00	78	0.48
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Utilities Installation	Concrete/Industrial Saws	0		81	0.73
Build Foundation	Cranes	0	4.00	231	0.29
Build Foundation	Forklifts	1	8.00	89	0.20

Alt 4 - Future Site - 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**

Grading	Graders	0	6.00	187	0.41
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Pavers	0	7.00	130	0.42
Building Construction	Rollers	0	7.00	80	0.38
Utilities Installation	Rubber Tired Dozers	0		247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Build Foundation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Build Foundation	Excavators	1	8.00	158	0.38
Grading	Rollers	1	8.00	80	0.38
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43

**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
Paving	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Alt 4 - Future Site - 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**

Build Foundation	3	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Installation	1	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

**3.2 Utilities Installation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

Alt 4 - Future Site - 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 Utilities Installation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0320	2.3400e-003	0.0344	9.2200e-003	2.2400e-003	0.0115		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0468</b>	<b>0.2829</b>	<b>0.4483</b>	<b>1.9500e-003</b>	<b>0.1438</b>	<b>3.0600e-003</b>	<b>0.1469</b>	<b>0.0389</b>	<b>2.9000e-003</b>	<b>0.0418</b>		<b>203.1507</b>	<b>203.1507</b>	<b>6.3600e-003</b>	<b>0.0179</b>	<b>208.6310</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>



Alt 4 - Future Site - 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 Utilities Installation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0138	2.3400e-003	0.0161	4.7400e-003	2.2400e-003	6.9800e-003		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.0340	7.2000e-004	0.0348	0.0106	6.6000e-004	0.0112		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0468</b>	<b>0.2829</b>	<b>0.4483</b>	<b>1.9500e-003</b>	<b>0.0478</b>	<b>3.0600e-003</b>	<b>0.0509</b>	<b>0.0153</b>	<b>2.9000e-003</b>	<b>0.0182</b>		<b>203.1507</b>	<b>203.1507</b>	<b>6.3600e-003</b>	<b>0.0179</b>	<b>208.6310</b>

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0652	0.0000	6.0652	3.3149	0.0000	3.3149			0.0000			0.0000
Off-Road	1.3684	13.9504	10.9119	0.0194		0.6916	0.6916		0.6363	0.6363		1,879.1837	1,879.1837	0.6078		1,894.3778
<b>Total</b>	<b>1.3684</b>	<b>13.9504</b>	<b>10.9119</b>	<b>0.0194</b>	<b>6.0652</b>	<b>0.6916</b>	<b>6.7568</b>	<b>3.3149</b>	<b>0.6363</b>	<b>3.9512</b>		<b>1,879.1837</b>	<b>1,879.1837</b>	<b>0.6078</b>		<b>1,894.3778</b>

Alt 4 - Future Site - 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 - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0370</b>	<b>0.0279</b>	<b>0.3614</b>	<b>9.7000e-004</b>	<b>0.1118</b>	<b>7.2000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.6000e-004</b>	<b>0.0303</b>		<b>97.8803</b>	<b>97.8803</b>	<b>2.8500e-003</b>	<b>2.6700e-003</b>	<b>98.7483</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7294	0.0000	2.7294	1.4917	0.0000	1.4917			0.0000			0.0000
Off-Road	1.3684	13.9504	10.9119	0.0194		0.6916	0.6916		0.6363	0.6363	0.0000	1,879.1837	1,879.1837	0.6078		1,894.3778
<b>Total</b>	<b>1.3684</b>	<b>13.9504</b>	<b>10.9119</b>	<b>0.0194</b>	<b>2.7294</b>	<b>0.6916</b>	<b>3.4210</b>	<b>1.4917</b>	<b>0.6363</b>	<b>2.1280</b>	<b>0.0000</b>	<b>1,879.1837</b>	<b>1,879.1837</b>	<b>0.6078</b>		<b>1,894.3778</b>

Alt 4 - Future Site - 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 - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.0340	7.2000e-004	0.0348	0.0106	6.6000e-004	0.0112		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
<b>Total</b>	<b>0.0370</b>	<b>0.0279</b>	<b>0.3614</b>	<b>9.7000e-004</b>	<b>0.0340</b>	<b>7.2000e-004</b>	<b>0.0348</b>	<b>0.0106</b>	<b>6.6000e-004</b>	<b>0.0112</b>		<b>97.8803</b>	<b>97.8803</b>	<b>2.8500e-003</b>	<b>2.6700e-003</b>	<b>98.7483</b>

**3.4 Build Foundation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4807	4.5075	6.6468	9.8100e-003		0.2459	0.2459		0.2262	0.2262		949.2851	949.2851	0.3070		956.9605
<b>Total</b>	<b>0.4807</b>	<b>4.5075</b>	<b>6.6468</b>	<b>9.8100e-003</b>		<b>0.2459</b>	<b>0.2459</b>		<b>0.2262</b>	<b>0.2262</b>		<b>949.2851</b>	<b>949.2851</b>	<b>0.3070</b>		<b>956.9605</b>

Alt 4 - Future Site - 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 Build Foundation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0320	2.3400e-003	0.0344	9.2200e-003	2.2400e-003	0.0115		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0407	0.0307	0.3975	1.0700e-003	0.1230	7.9000e-004	0.1237	0.0326	7.2000e-004	0.0333		107.6684	107.6684	3.1300e-003	2.9400e-003	108.6232
<b>Total</b>	<b>0.0505</b>	<b>0.2857</b>	<b>0.4844</b>	<b>2.0500e-003</b>	<b>0.1550</b>	<b>3.1300e-003</b>	<b>0.1581</b>	<b>0.0418</b>	<b>2.9600e-003</b>	<b>0.0448</b>		<b>212.9387</b>	<b>212.9387</b>	<b>6.6400e-003</b>	<b>0.0181</b>	<b>218.5058</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4807	4.5075	6.6468	9.8100e-003		0.2459	0.2459		0.2262	0.2262	0.0000	949.2851	949.2851	0.3070		956.9605
<b>Total</b>	<b>0.4807</b>	<b>4.5075</b>	<b>6.6468</b>	<b>9.8100e-003</b>		<b>0.2459</b>	<b>0.2459</b>		<b>0.2262</b>	<b>0.2262</b>	<b>0.0000</b>	<b>949.2851</b>	<b>949.2851</b>	<b>0.3070</b>		<b>956.9605</b>

Alt 4 - Future Site - 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 Build Foundation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0138	2.3400e-003	0.0161	4.7400e-003	2.2400e-003	6.9800e-003		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0407	0.0307	0.3975	1.0700e-003	0.0374	7.9000e-004	0.0382	0.0116	7.2000e-004	0.0123		107.6684	107.6684	3.1300e-003	2.9400e-003	108.6232
<b>Total</b>	<b>0.0505</b>	<b>0.2857</b>	<b>0.4844</b>	<b>2.0500e-003</b>	<b>0.0512</b>	<b>3.1300e-003</b>	<b>0.0544</b>	<b>0.0164</b>	<b>2.9600e-003</b>	<b>0.0193</b>		<b>212.9387</b>	<b>212.9387</b>	<b>6.6400e-003</b>	<b>0.0181</b>	<b>218.5058</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	12.8665	9.1841	0.0195		0.5758	0.5758		0.5360	0.5360		1,833.3920	1,833.3920	0.5396		1,846.8817
<b>Total</b>	<b>1.3445</b>	<b>12.8665</b>	<b>9.1841</b>	<b>0.0195</b>		<b>0.5758</b>	<b>0.5758</b>		<b>0.5360</b>	<b>0.5360</b>		<b>1,833.3920</b>	<b>1,833.3920</b>	<b>0.5396</b>		<b>1,846.8817</b>

Alt 4 - Future Site - 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 - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0320	2.3400e-003	0.0344	9.2200e-003	2.2400e-003	0.0115		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0407	0.0307	0.3975	1.0700e-003	0.1230	7.9000e-004	0.1237	0.0326	7.2000e-004	0.0333		107.6684	107.6684	3.1300e-003	2.9400e-003	108.6232
<b>Total</b>	<b>0.0505</b>	<b>0.2857</b>	<b>0.4844</b>	<b>2.0500e-003</b>	<b>0.1550</b>	<b>3.1300e-003</b>	<b>0.1581</b>	<b>0.0418</b>	<b>2.9600e-003</b>	<b>0.0448</b>		<b>212.9387</b>	<b>212.9387</b>	<b>6.6400e-003</b>	<b>0.0181</b>	<b>218.5058</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	12.8665	9.1841	0.0195		0.5758	0.5758		0.5360	0.5360	0.0000	1,833.3920	1,833.3920	0.5396		1,846.8817
<b>Total</b>	<b>1.3445</b>	<b>12.8665</b>	<b>9.1841</b>	<b>0.0195</b>		<b>0.5758</b>	<b>0.5758</b>		<b>0.5360</b>	<b>0.5360</b>	<b>0.0000</b>	<b>1,833.3920</b>	<b>1,833.3920</b>	<b>0.5396</b>		<b>1,846.8817</b>

Alt 4 - Future Site - 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 - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7200e-003	0.2550	0.0869	9.8000e-004	0.0138	2.3400e-003	0.0161	4.7400e-003	2.2400e-003	6.9800e-003		105.2703	105.2703	3.5100e-003	0.0152	109.8827
Worker	0.0407	0.0307	0.3975	1.0700e-003	0.0374	7.9000e-004	0.0382	0.0116	7.2000e-004	0.0123		107.6684	107.6684	3.1300e-003	2.9400e-003	108.6232
<b>Total</b>	<b>0.0505</b>	<b>0.2857</b>	<b>0.4844</b>	<b>2.0500e-003</b>	<b>0.0512</b>	<b>3.1300e-003</b>	<b>0.0544</b>	<b>0.0164</b>	<b>2.9600e-003</b>	<b>0.0193</b>		<b>212.9387</b>	<b>212.9387</b>	<b>6.6400e-003</b>	<b>0.0181</b>	<b>218.5058</b>

**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	1.2555	11.8693	9.0304	0.0195		0.5159	0.5159		0.4802	0.4802		1,833.3698	1,833.3698	0.5374		1,846.8045
<b>Total</b>	<b>1.2555</b>	<b>11.8693</b>	<b>9.0304</b>	<b>0.0195</b>		<b>0.5159</b>	<b>0.5159</b>		<b>0.4802</b>	<b>0.4802</b>		<b>1,833.3698</b>	<b>1,833.3698</b>	<b>0.5374</b>		<b>1,846.8045</b>

Alt 4 - Future Site - 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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0378	0.0271	0.3654	1.0300e-003	0.1230	7.4000e-004	0.1237	0.0326	6.8000e-004	0.0333		104.2089	104.2089	2.8100e-003	2.7100e-003	105.0873
<b>Total</b>	<b>0.0434</b>	<b>0.2280</b>	<b>0.4421</b>	<b>1.9600e-003</b>	<b>0.1550</b>	<b>1.7100e-003</b>	<b>0.1567</b>	<b>0.0418</b>	<b>1.6100e-003</b>	<b>0.0434</b>		<b>204.5191</b>	<b>204.5191</b>	<b>6.1500e-003</b>	<b>0.0172</b>	<b>209.7828</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2555	11.8693	9.0304	0.0195		0.5159	0.5159		0.4802	0.4802	0.0000	1,833.3698	1,833.3698	0.5374		1,846.8045
<b>Total</b>	<b>1.2555</b>	<b>11.8693</b>	<b>9.0304</b>	<b>0.0195</b>		<b>0.5159</b>	<b>0.5159</b>		<b>0.4802</b>	<b>0.4802</b>	<b>0.0000</b>	<b>1,833.3698</b>	<b>1,833.3698</b>	<b>0.5374</b>		<b>1,846.8045</b>



Alt 4 - Future Site - 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**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0138	9.7000e-004	0.0148	4.7400e-003	9.3000e-004	5.6700e-003		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0378	0.0271	0.3654	1.0300e-003	0.0374	7.4000e-004	0.0382	0.0116	6.8000e-004	0.0123		104.2089	104.2089	2.8100e-003	2.7100e-003	105.0873
<b>Total</b>	<b>0.0434</b>	<b>0.2280</b>	<b>0.4421</b>	<b>1.9600e-003</b>	<b>0.0512</b>	<b>1.7100e-003</b>	<b>0.0529</b>	<b>0.0164</b>	<b>1.6100e-003</b>	<b>0.0180</b>		<b>204.5191</b>	<b>204.5191</b>	<b>6.1500e-003</b>	<b>0.0172</b>	<b>209.7828</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5942	5.5240	8.0921	0.0129		0.2619	0.2619		0.2425	0.2425		1,220.2197	1,220.2197	0.3795		1,229.7072
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7724</b>	<b>5.5240</b>	<b>8.0921</b>	<b>0.0129</b>		<b>0.2619</b>	<b>0.2619</b>		<b>0.2425</b>	<b>0.2425</b>		<b>1,220.2197</b>	<b>1,220.2197</b>	<b>0.3795</b>		<b>1,229.7072</b>

Alt 4 - Future Site - 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**

**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0447	0.0320	0.4318	1.2200e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		123.1560	123.1560	3.3200e-003	3.2000e-003	124.1941
<b>Total</b>	<b>0.0503</b>	<b>0.2330</b>	<b>0.5085</b>	<b>2.1500e-003</b>	<b>0.1773</b>	<b>1.8400e-003</b>	<b>0.1792</b>	<b>0.0478</b>	<b>1.7300e-003</b>	<b>0.0495</b>		<b>223.4661</b>	<b>223.4661</b>	<b>6.6600e-003</b>	<b>0.0176</b>	<b>228.8896</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5942	5.5240	8.0921	0.0129		0.2619	0.2619		0.2425	0.2425	0.0000	1,220.2197	1,220.2197	0.3795		1,229.7072
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7724</b>	<b>5.5240</b>	<b>8.0921</b>	<b>0.0129</b>		<b>0.2619</b>	<b>0.2619</b>		<b>0.2425</b>	<b>0.2425</b>	<b>0.0000</b>	<b>1,220.2197</b>	<b>1,220.2197</b>	<b>0.3795</b>		<b>1,229.7072</b>

Alt 4 - Future Site - 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**

**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0138	9.7000e-004	0.0148	4.7400e-003	9.3000e-004	5.6700e-003		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0447	0.0320	0.4318	1.2200e-003	0.0443	8.7000e-004	0.0451	0.0137	8.0000e-004	0.0145		123.1560	123.1560	3.3200e-003	3.2000e-003	124.1941
<b>Total</b>	<b>0.0503</b>	<b>0.2330</b>	<b>0.5085</b>	<b>2.1500e-003</b>	<b>0.0580</b>	<b>1.8400e-003</b>	<b>0.0599</b>	<b>0.0185</b>	<b>1.7300e-003</b>	<b>0.0202</b>		<b>223.4661</b>	<b>223.4661</b>	<b>6.6600e-003</b>	<b>0.0176</b>	<b>228.8896</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.6985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>26.9541</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

Alt 4 - Future Site - 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**

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8800e-003	4.9300e-003	0.0664	1.9000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		18.9471	18.9471	5.1000e-004	4.9000e-004	19.1068
<b>Total</b>	<b>6.8800e-003</b>	<b>4.9300e-003</b>	<b>0.0664</b>	<b>1.9000e-004</b>	<b>0.0224</b>	<b>1.3000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.2000e-004</b>	<b>6.0500e-003</b>		<b>18.9471</b>	<b>18.9471</b>	<b>5.1000e-004</b>	<b>4.9000e-004</b>	<b>19.1068</b>

**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	26.6985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>26.9541</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

Alt 4 - Future Site - 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**

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8800e-003	4.9300e-003	0.0664	1.9000e-004	6.8100e-003	1.3000e-004	6.9400e-003	2.1100e-003	1.2000e-004	2.2400e-003		18.9471	18.9471	5.1000e-004	4.9000e-004	19.1068
<b>Total</b>	<b>6.8800e-003</b>	<b>4.9300e-003</b>	<b>0.0664</b>	<b>1.9000e-004</b>	<b>6.8100e-003</b>	<b>1.3000e-004</b>	<b>6.9400e-003</b>	<b>2.1100e-003</b>	<b>1.2000e-004</b>	<b>2.2400e-003</b>		<b>18.9471</b>	<b>18.9471</b>	<b>5.1000e-004</b>	<b>4.9000e-004</b>	<b>19.1068</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Alt 4 - Future Site - 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	1.4384	1.3894	12.3365	0.0237	2.4774	0.0185	2.4958	0.6599	0.0171	0.6770		2,416.0867	2,416.0867	0.2008	0.1212	2,457.2164
Unmitigated	1.4384	1.3894	12.3365	0.0237	2.4774	0.0185	2.4958	0.6599	0.0171	0.6770		2,416.0867	2,416.0867	0.2008	0.1212	2,457.2164

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	618.53	586.71	285.12	1,077,543	1,077,543
<b>Total</b>	<b>618.53</b>	<b>586.71</b>	<b>285.12</b>	<b>1,077,543</b>	<b>1,077,543</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

Alt 4 - Future Site - 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**

Strip Mall	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
NaturalGas Unmitigated	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758

Alt 4 - Future Site - 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**

**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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	62.3241	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
<b>Total</b>		<b>6.7000e-004</b>	<b>6.1100e-003</b>	<b>5.1300e-003</b>	<b>4.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>7.3322</b>	<b>7.3322</b>	<b>1.4000e-004</b>	<b>1.3000e-004</b>	<b>7.3758</b>



Alt 4 - Future Site - 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**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0623241	6.7000e-004	6.1100e-003	5.1300e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		7.3322	7.3322	1.4000e-004	1.3000e-004	7.3758
<b>Total</b>		<b>6.7000e-004</b>	<b>6.1100e-003</b>	<b>5.1300e-003</b>	<b>4.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>7.3322</b>	<b>7.3322</b>	<b>1.4000e-004</b>	<b>1.3000e-004</b>	<b>7.3758</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Alt 4 - Future Site - 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	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
Unmitigated	0.3184	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-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	0.0366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.3000e-003	6.3000e-003	2.0000e-005		6.7100e-003
<b>Total</b>	<b>0.3184</b>	<b>3.0000e-005</b>	<b>2.9400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>6.3000e-003</b>	<b>6.3000e-003</b>	<b>2.0000e-005</b>		<b>6.7100e-003</b>

Alt 4 - Future Site - 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**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.3000e-003	6.3000e-003	2.0000e-005	6.7100e-003
<b>Total</b>	<b>0.3184</b>	<b>3.0000e-005</b>	<b>2.9400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>6.3000e-003</b>	<b>6.3000e-003</b>	<b>2.0000e-005</b>	<b>6.7100e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Alt 4 - Future Site - 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**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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