Appendix A
AQ/GHG Emissions Summary

Attachment A-1: AQ/GHG Emissions Summary
Attachment A-2: AQ GHG Inputs
Attachment A-3: CalEEMod Output

Attachment A-1

AQ/GHG Emissions Summary

AQ Emissions

Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	lb/day									
2024	4.57	43.91	36.19	0.08	5.42	1.97	7.62	2.77	1.81	4.61
2030	2.87	15.14	27.26	0.06	0.36	0.48	0.80	0.10	0.48	0.57
Maximum	**4.57**	**43.91**	**36.19**	**0.08**	**5.42**	**1.97**	**7.62**	**2.77**	**1.81**	**4.61**

Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day									
Total	**0.01**	**0.01**	**0.10**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**

GHG Emissions

Construction

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
2024	0.00	414.49	414.49	0.12	0.01	418.98
2030	0.00	549.59	549.59	0.02	0.00	551.23
Maximum	**0.00**	**964.08**	**964.08**	**0.14**	**0.01**	**970.21**

Operation

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
Per year	**0.00**	**0.93**	**0.93**	**0.00**	**0.00**	**0.95**

Attachment A-2

AQ GHG Inputs

Construction

Phases	Phase Type	Start Date	End Date	Days	Equipment Quantity	Quantity	Hours of Use/Day	Employee Vehicles (one way per day)	Water Truck Trips (one way per day)	Heavy Haul (total one way trips)
Construction Preparation and Site	Grading	2024/02/01	2024/03/13	30	Graders	2	8	20	10	20
					Rubber Tired Dozers	2	8			
					Tractors/Loaders/Backhoes	2	8			
					Sheepsfoot Roller	2	8			
					Smooth Drum Roller	1	8			
Excavation and Undergrounding	Trenching	2024/03/14	2024/08/07	105	Bulldozers	2	8	20	6	20
					Tractors/Loaders/Backhoes	2	8			
					Excavator	2	8			
					Sheepsfoot Roller	2	8			
					Smooth Drum Roller	1	8			
Foundation Installation	Site Preparation	2024/08/06	2024/10/07	45	Cement and Mortar Mixers	1	8	20	6	220
					Plate Compactors	1	8			
					Excavator	2	8			
					Tractors/Loaders/Backhoes	2	8			
Electrical Work	Building Construct	2024/10/08	2024/11/25	35	Bulldozer	2	8	20	6	30
					Tractors/Loaders/Backhoes	2	8			
					Excavator	2	8			
BESS Enclosure Installation and El	Building Construct	2024/11/26	2024/12/30	25	Cranes	2	8	20	6	210

Decommissioning

Phases	Phase Type	Start Date	End Date	Days	Equipment Quantity	Quantity	Hours of Use/Day	Employee Vehicles (one way per day)	Water Truck Trips (one way per day)	Heavy Haul (total one way trips)
Enclosure Decommissioning	Enclosure Remova	2030/01/01	2030/02/25	15	Tanker Truck	58	8	20	6	140
				25	Crane	1	8			
Balance of Plant Decommissioning & Site Restoration	Removal of foundations, electrical equipment, and other site	2030/02/26	2030/12/02	200	Bulldozer	2	8	20	6	200
					Tractors/Loaders/Back hoes	2	8			
					Excavator	2	8			
					Sheepsfoot Roller	2	8			
					Smooth Drum Roller	1	8			

Attachment A-3

CalEEMod Output

Form Energy - Mendocino-Inland County, Winter

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

Form Energy

Mendocino-Inland County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	217.80	1000sqft	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	86
Climate Zone	1			**Operational Year**	2025
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Phases from RFI responses.

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI Responses

Off-road Equipment - RFI 2

Off-road Equipment - RFI no 3

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI No3

Trips and VMT - RFI and CatEx. 10 trips for day for water trucks during material moving phases.

Form Energy - Mendocino-Inland County, Winter

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

On-road Fugitive Dust - On road vehicles will travel on fully paved roads

Grading - RFI responses and assumptions

Vehicle Trips - Operated remotely, 5 water trucks a month, occassional maintenance.

Road Dust - Road to site paved

Consumer Products - no consumer products

Area Coating -

Energy Use - RFI responses

Water And Wastewater - Operated remotely

Solid Waste - Operated remotely

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	10
tblConstructionPhase	NumDays	440.00	35.00
tblConstructionPhase	NumDays	440.00	25.00
tblConstructionPhase	NumDays	30.00	40.00
tblConstructionPhase	NumDays	30.00	200.00
tblConstructionPhase	NumDays	45.00	30.00
tblConstructionPhase	NumDays	20.00	45.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	NT24E	1.85	0.00
tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.56	0.00
tblEnergyUse	T24NG	3.17	0.00

Form Energy - Mendocino-Inland County, Winter

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

tblGrading	AcresOfGrading	60.00	5.00
tblGrading	AcresOfGrading	45.00	5.00
tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialImported	0.00	10.00
tblGrading	MaterialImported	0.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00

Form Energy - Mendocino-Inland County, Winter

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

tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblRoadDust	RoadPercentPave	80	100
tblSolidWaste	SolidWasteGenerationRate	1,598.36	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripNumber	250.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	250.00	220.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	210.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	0.00	200.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

Form Energy - Mendocino-Inland County, Winter

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

tblTripsAndVMT	VendorTripNumber	211.00	6.00
tblTripsAndVMT	VendorTripNumber	211.00	0.00
tblTripsAndVMT	VendorTripNumber	211.00	0.00
tblTripsAndVMT	VendorTripNumber	211.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	541.00	20.00
tblTripsAndVMT	WorkerTripNumber	541.00	0.00
tblTripsAndVMT	WorkerTripNumber	541.00	0.00
tblTripsAndVMT	WorkerTripNumber	541.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.01
tblWater	IndoorWaterUseRate	298,081,250.00	0.00

Form Energy - Mendocino-Inland County, Winter

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

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.5726	43.9115	36.1862	0.0756	12.8431	1.9686	14.8118	6.8165	1.8135	8.6299	0.0000	7,355.1861	7,355.1861	2.0552	0.1083	7,437.0027
2030	2.8734	15.1401	27.2579	0.0612	0.3574	0.4817	0.7953	0.0963	0.4815	0.5657	0.0000	5,826.8838	5,826.8838	0.2512	0.0504	5,841.9624
Maximum	**4.5726**	**43.9115**	**36.1862**	**0.0756**	**12.8431**	**1.9686**	**14.8118**	**6.8165**	**1.8135**	**8.6299**	**0.0000**	**7,355.1861**	**7,355.1861**	**2.0552**	**0.1083**	**7,437.0027**

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					
2024	4.5726	43.9115	36.1862	0.0756	5.4243	1.9686	7.3930	2.7702	1.8135	4.5837	0.0000	7,355.1861	7,355.1861	2.0552	0.1083	7,437.0027
2030	2.8734	15.1401	27.2579	0.0612	0.3574	0.4817	0.7953	0.0963	0.4815	0.5657	0.0000	5,826.8838	5,826.8838	0.2512	0.0504	5,841.9624
Maximum	**4.5726**	**43.9115**	**36.1862**	**0.0756**	**5.4243**	**1.9686**	**7.3930**	**2.7702**	**1.8135**	**4.5837**	**0.0000**	**7,355.1861**	**7,355.1861**	**2.0552**	**0.1083**	**7,437.0027**

Form Energy - Mendocino-Inland 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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.20	0.00	47.54	58.53	0.00	44.00	0.00	0.00	0.00	0.00	0.00	0.00

Form Energy - Mendocino-Inland 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	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508
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	8.0700e-003	0.0133	0.0752	1.3000e-004	0.0134	1.4000e-004	0.0136	3.5800e-003	1.3000e-004	3.7100e-003		12.9689	12.9689	9.8000e-004	7.8000e-004	13.2256
Total	**0.0101**	**0.0135**	**0.0974**	**1.3000e-004**	**0.0134**	**2.2000e-004**	**0.0137**	**3.5800e-003**	**2.1000e-004**	**3.7900e-003**		**13.0165**	**13.0165**	**1.1000e-003**	**7.8000e-004**	**13.2764**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508
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	8.0700e-003	0.0133	0.0752	1.3000e-004	0.0134	1.4000e-004	0.0136	3.5800e-003	1.3000e-004	3.7100e-003		12.9689	12.9689	9.8000e-004	7.8000e-004	13.2256
Total	**0.0101**	**0.0135**	**0.0974**	**1.3000e-004**	**0.0134**	**2.2000e-004**	**0.0137**	**3.5800e-003**	**2.1000e-004**	**3.7900e-003**		**13.0165**	**13.0165**	**1.1000e-003**	**7.8000e-004**	**13.2764**

Form Energy - Mendocino-Inland 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	N20	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	Construction Preparation and Site Grading	Grading	2/1/2024	3/13/2024	5	30	
2	Excavation and Undergrounding	Trenching	3/14/2024	8/7/2024	5	105	
3	Foundation Installation	Site Preparation	8/6/2024	10/7/2024	5	45	
4	Electrical Work	Building Construction	10/8/2024	11/25/2024	5	35	
5	BESS Enclosure Installation and Electrolyte Fill	Building Construction	11/26/2024	12/30/2024	5	25	
6	Enclosure Decommissioning	Demolition	1/1/2030	2/25/2030	5	40	
7	Restoration	Demolition	2/26/2030	12/2/2030	5	200	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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
Construction Preparation and Site Grading	Graders	2	8.00	187	0.41
Construction Preparation and Site Grading	Rollers	3	8.00	80	0.38
Construction Preparation and Site Grading	Rubber Tired Dozers	2	8.00	247	0.40

Form Energy - Mendocino-Inland County, Winter

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

Construction Preparation and Site Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Excavation and Undergrounding	Excavators	2	8.00	158	0.38
Excavation and Undergrounding	Rollers	3	8.00	80	0.38
Excavation and Undergrounding	Rubber Tired Dozers	2	8.00	247	0.40
Excavation and Undergrounding	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundation Installation	Cement and Mortar Mixers	1	8.00	9	0.56
Foundation Installation	Plate Compactors	1	8.00	8	0.43
Foundation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Foundation Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Electrical Work	Excavators	2	8.00	158	0.38
Electrical Work	Rubber Tired Dozers	2	8.00	247	0.40
Electrical Work	Tractors/Loaders/Backhoes	2	8.00	97	0.37
BESS Enclosure Installation and Electrolyte Fill	Cranes	2	8.00	231	0.29
Enclosure Decommissioning	Cranes	1	8.00	231	0.29
Restoration	Crushing/Proc. Equipment	1	8.00	85	0.78
Restoration	Excavators	2	8.00	158	0.38
Restoration	Rollers	3	8.00	80	0.38
Restoration	Rubber Tired Dozers	2	8.00	247	0.40
Restoration	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Preparation and Site	9	20.00	10.00	20.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Undergrounding	9	20.00	6.00	20.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Installation	6	20.00	6.00	220.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Electrical Work	6	20.00	6.00	30.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Electrical Work	6	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

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

Electrical Work	6	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
BESS Enclosure Installation and Electr	2	20.00	6.00	210.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Enclosure Decommissioning	1	20.00	6.00	140.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Restoration	10	20.00	6.00	200.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Construction Preparation and Site Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2210	0.0000	12.2210	6.6396	0.0000	6.6396			0.0000			0.0000
Off-Road	2.8243	30.0362	19.5964	0.0444		1.2868	1.2868		1.1839	1.1839		4,300.9476	4,300.9476	1.3910		4,335.7229
Total	**2.8243**	**30.0362**	**19.5964**	**0.0444**	**12.2210**	**1.2868**	**13.5078**	**6.6396**	**1.1839**	**7.8234**		**4,300.9476**	**4,300.9476**	**1.3910**		**4,335.7229**

Form Energy - Mendocino-Inland County, Winter

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

3.2 Construction Preparation and Site Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6800e-003	0.1008	0.0202	3.9000e-004	0.0117	8.9000e-004	0.0126	3.2000e-003	8.5000e-004	4.0500e-003		41.4404	41.4404	8.0000e-005	6.5100e-003	43.3832
Vendor	0.0208	0.5462	0.1873	2.0700e-003	0.0677	3.5200e-003	0.0713	0.0195	3.3700e-003	0.0229		218.2420	218.2420	9.6000e-004	0.0312	227.5751
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1637**	**0.7401**	**1.0785**	**4.5100e-003**	**0.3349**	**5.8400e-003**	**0.3407**	**0.0905**	**5.5400e-003**	**0.0960**		**466.9848**	**466.9848**	**8.1300e-003**	**0.0453**	**480.6774**

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					4.7662	0.0000	4.7662	2.5894	0.0000	2.5894			0.0000			0.0000
Off-Road	2.8243	30.0362	19.5964	0.0444		1.2868	1.2868		1.1839	1.1839	0.0000	4,300.9476	4,300.9476	1.3910		4,335.7229
Total	**2.8243**	**30.0362**	**19.5964**	**0.0444**	**4.7662**	**1.2868**	**6.0530**	**2.5894**	**1.1839**	**3.7733**	**0.0000**	**4,300.9476**	**4,300.9476**	**1.3910**		**4,335.7229**

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

3.2 Construction Preparation and Site Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6800e-003	0.1008	0.0202	3.9000e-004	0.0117	8.9000e-004	0.0126	3.2000e-003	8.5000e-004	4.0500e-003		41.4404	41.4404	8.0000e-005	6.5100e-003	43.3832
Vendor	0.0208	0.5462	0.1873	2.0700e-003	0.0677	3.5200e-003	0.0713	0.0195	3.3700e-003	0.0229		218.2420	218.2420	9.6000e-004	0.0312	227.5751
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1637**	**0.7401**	**1.0785**	**4.5100e-003**	**0.3349**	**5.8400e-003**	**0.3407**	**0.0905**	**5.5400e-003**	**0.0960**		**466.9848**	**466.9848**	**8.1300e-003**	**0.0453**	**480.6774**

3.3 Excavation and Undergrounding - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4756	24.5305	22.8136	0.0415		1.1555	1.1555		1.0630	1.0630		4,020.4634	4,020.4634	1.3003		4,052.9708
Total	**2.4756**	**24.5305**	**22.8136**	**0.0415**		**1.1555**	**1.1555**		**1.0630**	**1.0630**		**4,020.4634**	**4,020.4634**	**1.3003**		**4,052.9708**

Form Energy - Mendocino-Inland County, Winter

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

3.3 Excavation and Undergrounding - 2024

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	4.8000e-004	0.0288	5.7600e-003	1.1000e-004	3.3300e-003	2.5000e-004	3.5900e-003	9.1000e-004	2.4000e-004	1.1600e-003		11.8401	11.8401	2.0000e-005	1.8600e-003	12.3952
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1541**	**0.4496**	**0.9892**	**3.4000e-003**	**0.2994**	**3.7900e-003**	**0.3032**	**0.0804**	**3.5800e-003**	**0.0839**		**350.0877**	**350.0877**	**7.6800e-003**	**0.0281**	**358.6594**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4756	24.5305	22.8136	0.0415		1.1555	1.1555		1.0630	1.0630	0.0000	4,020.4634	4,020.4634	1.3003		4,052.9708
Total	**2.4756**	**24.5305**	**22.8136**	**0.0415**		**1.1555**	**1.1555**		**1.0630**	**1.0630**	**0.0000**	**4,020.4634**	**4,020.4634**	**1.3003**		**4,052.9708**

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

3.3 Excavation and Undergrounding - 2024

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	4.8000e-004	0.0288	5.7600e-003	1.1000e-004	3.3300e-003	2.5000e-004	3.5900e-003	9.1000e-004	2.4000e-004	1.1600e-003		11.8401	11.8401	2.0000e-005	1.8600e-003	12.3952
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1541**	**0.4496**	**0.9892**	**3.4000e-003**	**0.2994**	**3.7900e-003**	**0.3032**	**0.0804**	**3.5800e-003**	**0.0839**		**350.0877**	**350.0877**	**7.6800e-003**	**0.0281**	**358.6594**

3.4 Foundation Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1621	0.0000	12.1621	6.6332	0.0000	6.6332			0.0000			0.0000
Off-Road	1.7769	17.7713	11.2522	0.0245		0.7993	0.7993		0.7373	0.7373		2,342.4912	2,342.4912	0.7389		2,360.9648
Total	**1.7769**	**17.7713**	**11.2522**	**0.0245**	**12.1621**	**0.7993**	**12.9614**	**6.6332**	**0.7373**	**7.3705**		**2,342.4912**	**2,342.4912**	**0.7389**		**2,360.9648**

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

3.4 Foundation Installation - 2024

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	0.0123	0.7392	0.1478	2.8700e-003	0.0855	6.5100e-003	0.0921	0.0235	6.2300e-003	0.0297		303.8963	303.8963	5.8000e-004	0.0478	318.1435
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1660**	**1.1600**	**1.1312**	**6.1600e-003**	**0.3816**	**0.0101**	**0.3917**	**0.1029**	**9.5700e-003**	**0.1125**		**642.1438**	**642.1438**	**8.2400e-003**	**0.0740**	**664.4077**

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					4.7432	0.0000	4.7432	2.5869	0.0000	2.5869			0.0000			0.0000
Off-Road	1.7769	17.7713	11.2522	0.0245		0.7993	0.7993		0.7373	0.7373	0.0000	2,342.4912	2,342.4912	0.7389		2,360.9648
Total	**1.7769**	**17.7713**	**11.2522**	**0.0245**	**4.7432**	**0.7993**	**5.5425**	**2.5869**	**0.7373**	**3.3243**	**0.0000**	**2,342.4912**	**2,342.4912**	**0.7389**		**2,360.9648**

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

3.4 Foundation Installation - 2024

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	0.0123	0.7392	0.1478	2.8700e-003	0.0855	6.5100e-003	0.0921	0.0235	6.2300e-003	0.0297		303.8963	303.8963	5.8000e-004	0.0478	318.1435
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1660**	**1.1600**	**1.1312**	**6.1600e-003**	**0.3816**	**0.0101**	**0.3917**	**0.1029**	**9.5700e-003**	**0.1125**		**642.1438**	**642.1438**	**8.2400e-003**	**0.0740**	**664.4077**

3.5 Electrical Work - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0385	19.9575	17.2634	0.0336		0.9135	0.9135		0.8404	0.8404		3,258.0262	3,258.0262	1.0537		3,284.3690
Total	**2.0385**	**19.9575**	**17.2634**	**0.0336**		**0.9135**	**0.9135**		**0.8404**	**0.8404**		**3,258.0262**	**3,258.0262**	**1.0537**		**3,284.3690**

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

3.5 Electrical Work - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1600e-003	0.1296	0.0259	5.0000e-004	0.0377	1.1400e-003	0.0388	9.6700e-003	1.0900e-003	0.0108		53.2805	53.2805	1.0000e-004	8.3700e-003	55.7784
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0986	2.1100e-003	0.1007	0.0259	2.0200e-003	0.0279		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.6997	1.4300e-003	0.7011	0.1768	1.3200e-003	0.1781		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1558**	**0.5504**	**1.0093**	**3.7900e-003**	**0.8359**	**4.6800e-003**	**0.8406**	**0.2124**	**4.4300e-003**	**0.2168**		**391.5281**	**391.5281**	**7.7600e-003**	**0.0346**	**402.0426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0385	19.9575	17.2634	0.0336		0.9135	0.9135		0.8404	0.8404	0.0000	3,258.0262	3,258.0262	1.0537		3,284.3690
Total	**2.0385**	**19.9575**	**17.2634**	**0.0336**		**0.9135**	**0.9135**		**0.8404**	**0.8404**	**0.0000**	**3,258.0262**	**3,258.0262**	**1.0537**		**3,284.3690**

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

3.5 Electrical Work - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1600e-003	0.1296	0.0259	5.0000e-004	0.0377	1.1400e-003	0.0388	9.6700e-003	1.0900e-003	0.0108		53.2805	53.2805	1.0000e-004	8.3700e-003	55.7784
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0986	2.1100e-003	0.1007	0.0259	2.0200e-003	0.0279		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.6997	1.4300e-003	0.7011	0.1768	1.3200e-003	0.1781		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1558**	**0.5504**	**1.0093**	**3.7900e-003**	**0.8359**	**4.6800e-003**	**0.8406**	**0.2124**	**4.4300e-003**	**0.2168**		**391.5281**	**391.5281**	**7.7600e-003**	**0.0346**	**402.0426**

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683		1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**		**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Form Energy - Mendocino-Inland County, Winter

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

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	0.0212	1.2701	0.2540	4.9300e-003	0.1470	0.0112	0.1582	0.0403	0.0107	0.0510		522.1490	522.1490	9.9000e-004	0.0821	546.6284
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1748**	**1.6909**	**1.2374**	**8.2200e-003**	**0.4431**	**0.0147**	**0.4578**	**0.1197**	**0.0141**	**0.1338**		**860.3966**	**860.3966**	**8.6500e-003**	**0.1083**	**892.8926**

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	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**	**0.0000**	**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

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	0.0212	1.2701	0.2540	4.9300e-003	0.1470	0.0112	0.1582	0.0403	0.0107	0.0510		522.1490	522.1490	9.9000e-004	0.0821	546.6284
Vendor	0.0125	0.3277	0.1124	1.2400e-003	0.0406	2.1100e-003	0.0428	0.0117	2.0200e-003	0.0137		130.9452	130.9452	5.7000e-004	0.0187	136.5451
Worker	0.1412	0.0931	0.8710	2.0500e-003	0.2555	1.4300e-003	0.2569	0.0678	1.3200e-003	0.0691		207.3024	207.3024	7.0900e-003	7.5200e-003	209.7191
Total	**0.1748**	**1.6909**	**1.2374**	**8.2200e-003**	**0.4431**	**0.0147**	**0.4578**	**0.1197**	**0.0141**	**0.1338**		**860.3966**	**860.3966**	**8.6500e-003**	**0.1083**	**892.8926**

3.7 Enclosure Decommissioning - 2030

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	0.2647	0.8838	1.3552	7.0900e-003		0.0284	0.0284		0.0284	0.0284		671.4460	671.4460	0.0236		672.0368
Total	**0.2647**	**0.8838**	**1.3552**	**7.0900e-003**		**0.0284**	**0.0284**		**0.0284**	**0.0284**		**671.4460**	**671.4460**	**0.0236**		**672.0368**

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

3.7 Enclosure Decommissioning - 2030

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	8.1500e-003	0.4595	0.1066	1.7600e-003	0.0613	4.1500e-003	0.0654	0.0168	3.9700e-003	0.0208		185.7658	185.7658	3.8000e-004	0.0292	194.4749
Vendor	0.0106	0.2877	0.0991	1.1100e-003	0.0407	1.8200e-003	0.0425	0.0117	1.7400e-003	0.0134		116.5619	116.5619	4.6000e-004	0.0162	121.4011
Worker	0.0985	0.0488	0.5621	1.7300e-003	0.2555	9.3000e-004	0.2564	0.0678	8.5000e-004	0.0686		175.0229	175.0229	3.9500e-003	4.9900e-003	176.6072
Total	**0.1173**	**0.7960**	**0.7678**	**4.6000e-003**	**0.3574**	**6.9000e-003**	**0.3643**	**0.0963**	**6.5600e-003**	**0.1028**		**477.3505**	**477.3505**	**4.7900e-003**	**0.0504**	**492.4832**

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	0.2647	0.8838	1.3552	7.0900e-003		0.0284	0.0284		0.0284	0.0284	0.0000	671.4460	671.4460	0.0236		672.0368
Total	**0.2647**	**0.8838**	**1.3552**	**7.0900e-003**		**0.0284**	**0.0284**		**0.0284**	**0.0284**	**0.0000**	**671.4460**	**671.4460**	**0.0236**		**672.0368**

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

3.7 Enclosure Decommissioning - 2030

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	8.1500e-003	0.4595	0.1066	1.7600e-003	0.0613	4.1500e-003	0.0654	0.0168	3.9700e-003	0.0208		185.7658	185.7658	3.8000e-004	0.0292	194.4749
Vendor	0.0106	0.2877	0.0991	1.1100e-003	0.0407	1.8200e-003	0.0425	0.0117	1.7400e-003	0.0134		116.5619	116.5619	4.6000e-004	0.0162	121.4011
Worker	0.0985	0.0488	0.5621	1.7300e-003	0.2555	9.3000e-004	0.2564	0.0678	8.5000e-004	0.0686		175.0229	175.0229	3.9500e-003	4.9900e-003	176.6072
Total	**0.1173**	**0.7960**	**0.7678**	**4.6000e-003**	**0.3574**	**6.9000e-003**	**0.3643**	**0.0963**	**6.5600e-003**	**0.1028**		**477.3505**	**477.3505**	**4.7900e-003**	**0.0504**	**492.4832**

3.8 Restoration - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7619	14.6723	26.5662	0.0579		0.4778	0.4778		0.4778	0.4778		5,482.2231	5,482.2231	0.2467		5,488.3898
Total	**2.7619**	**14.6723**	**26.5662**	**0.0579**		**0.4778**	**0.4778**		**0.4778**	**0.4778**		**5,482.2231**	**5,482.2231**	**0.2467**		**5,488.3898**

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

3.8 Restoration - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3300e-003	0.1313	0.0305	5.0000e-004	0.0175	1.1900e-003	0.0187	4.8000e-003	1.1400e-003	5.9400e-003		53.0759	53.0759	1.1000e-004	8.3400e-003	55.5643
Vendor	0.0106	0.2877	0.0991	1.1100e-003	0.0407	1.8200e-003	0.0425	0.0117	1.7400e-003	0.0134		116.5619	116.5619	4.6000e-004	0.0162	121.4011
Worker	0.0985	0.0488	0.5621	1.7300e-003	0.2555	9.3000e-004	0.2564	0.0678	8.5000e-004	0.0686		175.0229	175.0229	3.9500e-003	4.9900e-003	176.6072
Total	**0.1115**	**0.4678**	**0.6917**	**3.3400e-003**	**0.3136**	**3.9400e-003**	**0.3176**	**0.0843**	**3.7300e-003**	**0.0880**		**344.6607**	**344.6607**	**4.5200e-003**	**0.0295**	**353.5726**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7619	14.6723	26.5662	0.0579		0.4778	0.4778		0.4778	0.4778	0.0000	5,482.2231	5,482.2231	0.2467		5,488.3898
Total	**2.7619**	**14.6723**	**26.5662**	**0.0579**		**0.4778**	**0.4778**		**0.4778**	**0.4778**	**0.0000**	**5,482.2231**	**5,482.2231**	**0.2467**		**5,488.3898**

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

3.8 Restoration - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3300e-003	0.1313	0.0305	5.0000e-004	0.0175	1.1900e-003	0.0187	4.8000e-003	1.1400e-003	5.9400e-003		53.0759	53.0759	1.1000e-004	8.3400e-003	55.5643
Vendor	0.0106	0.2877	0.0991	1.1100e-003	0.0407	1.8200e-003	0.0425	0.0117	1.7400e-003	0.0134		116.5619	116.5619	4.6000e-004	0.0162	121.4011
Worker	0.0985	0.0488	0.5621	1.7300e-003	0.2555	9.3000e-004	0.2564	0.0678	8.5000e-004	0.0686		175.0229	175.0229	3.9500e-003	4.9900e-003	176.6072
Total	**0.1115**	**0.4678**	**0.6917**	**3.3400e-003**	**0.3136**	**3.9400e-003**	**0.3176**	**0.0843**	**3.7300e-003**	**0.0880**		**344.6607**	**344.6607**	**4.5200e-003**	**0.0295**	**353.5726**

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	8.0700e-003	0.0133	0.0752	1.3000e-004	0.0134	1.4000e-004	0.0136	3.5800e-003	1.3000e-004	3.7100e-003		12.9689	12.9689	9.8000e-004	7.8000e-004	13.2256
Unmitigated	8.0700e-003	0.0133	0.0752	1.3000e-004	0.0134	1.4000e-004	0.0136	3.5800e-003	1.3000e-004	3.7100e-003		12.9689	12.9689	9.8000e-004	7.8000e-004	13.2256

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	2.18	0.00	0.00	4,542	4,542
Total	2.18	0.00	0.00	4,542	4,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.469465	0.066061	0.203104	0.149205	0.045283	0.008608	0.007230	0.012003	0.000542	0.000293	0.032608	0.001048	0.004550

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					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508
Unmitigated	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508
Total	**2.0400e-003**	**2.0000e-004**	**0.0222**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0477**	**0.0477**	**1.2000e-004**		**0.0508**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0400e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0477	0.0477	1.2000e-004		0.0508
Total	**2.0400e-003**	**2.0000e-004**	**0.0222**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0477**	**0.0477**	**1.2000e-004**		**0.0508**

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Form Energy

Mendocino-Inland County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	217.80	1000sqft	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	86
Climate Zone	1			**Operational Year**	2025
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Phases from RFI responses.

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI Responses

Off-road Equipment - RFI 2

Off-road Equipment - RFI no 3

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI responses plus assumptions

Off-road Equipment - RFI No3

Trips and VMT - RFI and CatEx. 10 trips for day for water trucks during material moving phases.

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

On-road Fugitive Dust - On road vehicles will travel on fully paved roads

Grading - RFI responses and assumptions

Vehicle Trips - Operated remotely, 5 water trucks a month, occassional maintenance.

Road Dust - Road to site paved

Consumer Products - no consumer products

Area Coating -

Energy Use - RFI responses

Water And Wastewater - Operated remotely

Solid Waste - Operated remotely

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	10
tblConstructionPhase	NumDays	440.00	35.00
tblConstructionPhase	NumDays	440.00	25.00
tblConstructionPhase	NumDays	30.00	40.00
tblConstructionPhase	NumDays	30.00	200.00
tblConstructionPhase	NumDays	45.00	30.00
tblConstructionPhase	NumDays	20.00	45.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	NT24E	1.85	0.00
tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.56	0.00
tblEnergyUse	T24NG	3.17	0.00

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

tblGrading	AcresOfGrading	60.00	5.00
tblGrading	AcresOfGrading	45.00	5.00
tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialImported	0.00	10.00
tblGrading	MaterialImported	0.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	HaulingPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00

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

tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	VendorPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblOnRoadDust	WorkerPercentPave	80.00	100.00
tblRoadDust	RoadPercentPave	80	100
tblSolidWaste	SolidWasteGenerationRate	1,598.36	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripNumber	250.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	250.00	220.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	210.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	0.00	200.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

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

tblTripsAndVMT	VendorTripNumber	211.00	6.00
tblTripsAndVMT	VendorTripNumber	211.00	0.00
tblTripsAndVMT	VendorTripNumber	211.00	0.00
tblTripsAndVMT	VendorTripNumber	211.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripLength	10.80	16.80
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	541.00	20.00
tblTripsAndVMT	WorkerTripNumber	541.00	0.00
tblTripsAndVMT	WorkerTripNumber	541.00	0.00
tblTripsAndVMT	WorkerTripNumber	541.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.01
tblWater	IndoorWaterUseRate	298,081,250.00	0.00

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

2.0 Emissions Summary

2.1 Overall Construction

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					
2024	0.2738	2.6630	2.2158	4.6900e-003	0.5039	0.1184	0.6223	0.2613	0.1090	0.3703	0.0000	414.4951	414.4951	0.1176	5.1800e-003	418.9779
2030	0.2938	1.5452	2.7664	6.3600e-003	0.0366	0.0489	0.0855	9.8800e-003	0.0489	0.0587	0.0000	549.5898	549.5898	0.0233	3.5500e-003	551.2292
Maximum	**0.2938**	**2.6630**	**2.7664**	**6.3600e-003**	**0.5039**	**0.1184**	**0.6223**	**0.2613**	**0.1090**	**0.3703**	**0.0000**	**549.5898**	**549.5898**	**0.1176**	**5.1800e-003**	**551.2292**

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					
2024	0.2738	2.6630	2.2157	4.6900e-003	0.2252	0.1184	0.3435	0.1095	0.1090	0.2185	0.0000	414.4946	414.4946	0.1176	5.1800e-003	418.9774
2030	0.2938	1.5452	2.7664	6.3600e-003	0.0366	0.0489	0.0855	9.8800e-003	0.0489	0.0587	0.0000	549.5892	549.5892	0.0233	3.5500e-003	551.2286
Maximum	**0.2938**	**2.6630**	**2.7664**	**6.3600e-003**	**0.2252**	**0.1184**	**0.3435**	**0.1095**	**0.1090**	**0.2185**	**0.0000**	**549.5892**	**549.5892**	**0.1176**	**5.1800e-003**	**551.2286**

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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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.57**	**0.00**	**39.38**	**55.97**	**0.00**	**35.38**	**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)
3	**12-19-2023**	**3-18-2024**	0.5558	0.5558
4	**3-19-2024**	**6-18-2024**	0.9055	0.9055
5	**6-19-2024**	**9-18-2024**	0.8186	0.8186
6	**9-19-2024**	**12-18-2024**	0.6169	0.6169
7	**12-19-2024**	**3-18-2025**	0.0409	0.0409
27	**12-19-2029**	**3-18-2030**	0.1763	0.1763
28	**3-19-2030**	**6-18-2030**	0.5905	0.5905
29	**6-19-2030**	**9-18-2030**	0.5903	0.5903
30	**9-19-2030**	**9-30-2030**	0.0770	0.0770
		Highest	0.9055	0.9055

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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	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-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	0.0000
Mobile	1.0500e-003	1.6200e-003	9.1800e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6800e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5360	1.5360	1.1000e-004	9.0000e-005	1.5649
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
Total	**1.2300e-003**	**1.6400e-003**	**0.0112**	**2.0000e-005**	**1.6600e-003**	**3.0000e-005**	**1.6900e-003**	**4.4000e-004**	**3.0000e-005**	**4.7000e-004**	**0.0000**	**1.5399**	**1.5399**	**1.2000e-004**	**9.0000e-005**	**1.5691**

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	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-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	0.0000
Mobile	1.0500e-003	1.6200e-003	9.1800e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6800e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5360	1.5360	1.1000e-004	9.0000e-005	1.5649
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
Total	**1.2300e-003**	**1.6400e-003**	**0.0112**	**2.0000e-005**	**1.6600e-003**	**3.0000e-005**	**1.6900e-003**	**4.4000e-004**	**3.0000e-005**	**4.7000e-004**	**0.0000**	**1.5399**	**1.5399**	**1.2000e-004**	**9.0000e-005**	**1.5691**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**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	Construction Preparation and Site Grading	Grading	2/1/2024	3/13/2024	5	30	
2	Excavation and Undergrounding	Trenching	3/14/2024	8/7/2024	5	105	
3	Foundation Installation	Site Preparation	8/6/2024	10/7/2024	5	45	

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

4	Electrical Work	Building Construction	10/8/2024	11/25/2024	5	35	
5	BESS Enclosure Installation and Electrolyte Fill	Building Construction	11/26/2024	12/30/2024	5	25	
6	Enclosure Decommissioning	Demolition	1/1/2030	2/25/2030	5	40	
7	Restoration	Demolition	2/26/2030	12/2/2030	5	200	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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
Construction Preparation and Site Grading	Graders	2	8.00	187	0.41
Construction Preparation and Site Grading	Rollers	3	8.00	80	0.38
Construction Preparation and Site Grading	Rubber Tired Dozers	2	8.00	247	0.40
Construction Preparation and Site Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Excavation and Undergrounding	Excavators	2	8.00	158	0.38
Excavation and Undergrounding	Rollers	3	8.00	80	0.38
Excavation and Undergrounding	Rubber Tired Dozers	2	8.00	247	0.40
Excavation and Undergrounding	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundation Installation	Cement and Mortar Mixers	1	8.00	9	0.56
Foundation Installation	Plate Compactors	1	8.00	8	0.43
Foundation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Foundation Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Electrical Work	Excavators	2	8.00	158	0.38
Electrical Work	Rubber Tired Dozers	2	8.00	247	0.40
Electrical Work	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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

BESS Enclosure Installation and Electrolyte Fill	Cranes	2	8.00	231	0.29
Enclosure Decommissioning	Cranes	1	8.00	231	0.29
Restoration	Crushing/Proc. Equipment	1	8.00	85	0.78
Restoration	Excavators	2	8.00	158	0.38
Restoration	Rollers	3	8.00	80	0.38
Restoration	Rubber Tired Dozers	2	8.00	247	0.40
Restoration	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Preparation and Site	9	20.00	10.00	20.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Undergrounding	9	20.00	6.00	20.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Installation	6	20.00	6.00	220.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Electrical Work	6	20.00	6.00	30.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Electrical Work	6	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Electrical Work	6	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
BESS Enclosure Installation and Electr	2	20.00	6.00	210.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Enclosure Decommissioning	1	20.00	6.00	140.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Restoration	10	20.00	6.00	200.00	16.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Construction Preparation and Site Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1833	0.0000	0.1833	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0424	0.4505	0.2940	6.7000e-004		0.0193	0.0193		0.0178	0.0178	0.0000	58.5263	58.5263	0.0189	0.0000	58.9995
Total	**0.0424**	**0.4505**	**0.2940**	**6.7000e-004**	**0.1833**	**0.0193**	**0.2026**	**0.0996**	**0.0178**	**0.1174**	**0.0000**	**58.5263**	**58.5263**	**0.0189**	**0.0000**	**58.9995**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.4700e-003	3.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5634	0.5634	0.0000	9.0000e-005	0.5899
Vendor	3.1000e-004	7.9300e-003	2.7600e-003	3.0000e-005	9.7000e-004	5.0000e-005	1.0300e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	2.9663	2.9663	1.0000e-005	4.2000e-004	3.0931
Worker	1.9100e-003	1.2500e-003	0.0128	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8454	2.8454	9.0000e-005	9.0000e-005	2.8760
Total	**2.2500e-003**	**0.0107**	**0.0159**	**7.0000e-005**	**4.7800e-003**	**8.0000e-005**	**4.8700e-003**	**1.3000e-003**	**8.0000e-005**	**1.3800e-003**	**0.0000**	**6.3752**	**6.3752**	**1.0000e-004**	**6.0000e-004**	**6.5589**

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

3.2 Construction Preparation and Site Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0715	0.0000	0.0715	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0424	0.4505	0.2940	6.7000e-004		0.0193	0.0193		0.0178	0.0178	0.0000	58.5262	58.5262	0.0189	0.0000	58.9995
Total	**0.0424**	**0.4505**	**0.2940**	**6.7000e-004**	**0.0715**	**0.0193**	**0.0908**	**0.0388**	**0.0178**	**0.0566**	**0.0000**	**58.5262**	**58.5262**	**0.0189**	**0.0000**	**58.9995**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.4700e-003	3.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5634	0.5634	0.0000	9.0000e-005	0.5899
Vendor	3.1000e-004	7.9300e-003	2.7600e-003	3.0000e-005	9.7000e-004	5.0000e-005	1.0300e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	2.9663	2.9663	1.0000e-005	4.2000e-004	3.0931
Worker	1.9100e-003	1.2500e-003	0.0128	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8454	2.8454	9.0000e-005	9.0000e-005	2.8760
Total	**2.2500e-003**	**0.0107**	**0.0159**	**7.0000e-005**	**4.7800e-003**	**8.0000e-005**	**4.8700e-003**	**1.3000e-003**	**8.0000e-005**	**1.3800e-003**	**0.0000**	**6.3752**	**6.3752**	**1.0000e-004**	**6.0000e-004**	**6.5589**

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

3.3 Excavation and Undergrounding - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1300	1.2879	1.1977	2.1800e-003		0.0607	0.0607		0.0558	0.0558	0.0000	191.4834	191.4834	0.0619	0.0000	193.0317
Total	**0.1300**	**1.2879**	**1.1977**	**2.1800e-003**		**0.0607**	**0.0607**		**0.0558**	**0.0558**	**0.0000**	**191.4834**	**191.4834**	**0.0619**	**0.0000**	**193.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.4700e-003	3.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5634	0.5634	0.0000	9.0000e-005	0.5899
Vendor	6.5000e-004	0.0167	5.7900e-003	7.0000e-005	2.0400e-003	1.1000e-004	2.1500e-003	5.9000e-004	1.1000e-004	7.0000e-004	0.0000	6.2293	6.2293	3.0000e-005	8.9000e-004	6.4954
Worker	6.6900e-003	4.3700e-003	0.0449	1.1000e-004	0.0127	7.0000e-005	0.0128	3.3900e-003	7.0000e-005	3.4600e-003	0.0000	9.9590	9.9590	3.2000e-004	3.3000e-004	10.0658
Total	**7.3700e-003**	**0.0225**	**0.0510**	**1.9000e-004**	**0.0149**	**1.9000e-004**	**0.0151**	**4.0300e-003**	**1.9000e-004**	**4.2200e-003**	**0.0000**	**16.7517**	**16.7517**	**3.5000e-004**	**1.3100e-003**	**17.1511**

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

3.3 Excavation and Undergrounding - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1300	1.2879	1.1977	2.1800e-003		0.0607	0.0607		0.0558	0.0558	0.0000	191.4832	191.4832	0.0619	0.0000	193.0314
Total	**0.1300**	**1.2879**	**1.1977**	**2.1800e-003**		**0.0607**	**0.0607**		**0.0558**	**0.0558**	**0.0000**	**191.4832**	**191.4832**	**0.0619**	**0.0000**	**193.0314**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.4700e-003	3.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5634	0.5634	0.0000	9.0000e-005	0.5899
Vendor	6.5000e-004	0.0167	5.7900e-003	7.0000e-005	2.0400e-003	1.1000e-004	2.1500e-003	5.9000e-004	1.1000e-004	7.0000e-004	0.0000	6.2293	6.2293	3.0000e-005	8.9000e-004	6.4954
Worker	6.6900e-003	4.3700e-003	0.0449	1.1000e-004	0.0127	7.0000e-005	0.0128	3.3900e-003	7.0000e-005	3.4600e-003	0.0000	9.9590	9.9590	3.2000e-004	3.3000e-004	10.0658
Total	**7.3700e-003**	**0.0225**	**0.0510**	**1.9000e-004**	**0.0149**	**1.9000e-004**	**0.0151**	**4.0300e-003**	**1.9000e-004**	**4.2200e-003**	**0.0000**	**16.7517**	**16.7517**	**3.5000e-004**	**1.3100e-003**	**17.1511**

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

3.4 Foundation Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2737	0.0000	0.2737	0.1493	0.0000	0.1493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0400	0.3999	0.2532	5.5000e-004		0.0180	0.0180		0.0166	0.0166	0.0000	47.8141	47.8141	0.0151	0.0000	48.1912
Total	**0.0400**	**0.3999**	**0.2532**	**5.5000e-004**	**0.2737**	**0.0180**	**0.2916**	**0.1493**	**0.0166**	**0.1658**	**0.0000**	**47.8141**	**47.8141**	**0.0151**	**0.0000**	**48.1912**

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	2.9000e-004	0.0161	3.2900e-003	6.0000e-005	1.8400e-003	1.5000e-004	1.9900e-003	5.1000e-004	1.4000e-004	6.5000e-004	0.0000	6.1978	6.1978	1.0000e-005	9.7000e-004	6.4883
Vendor	2.8000e-004	7.1400e-003	2.4800e-003	3.0000e-005	8.8000e-004	5.0000e-005	9.2000e-004	2.5000e-004	5.0000e-005	3.0000e-004	0.0000	2.6697	2.6697	1.0000e-005	3.8000e-004	2.7838
Worker	2.8700e-003	1.8700e-003	0.0192	5.0000e-005	5.4500e-003	3.0000e-005	5.4900e-003	1.4500e-003	3.0000e-005	1.4800e-003	0.0000	4.2681	4.2681	1.4000e-004	1.4000e-004	4.3139
Total	**3.4400e-003**	**0.0251**	**0.0250**	**1.4000e-004**	**8.1700e-003**	**2.3000e-004**	**8.4000e-003**	**2.2100e-003**	**2.2000e-004**	**2.4300e-003**	**0.0000**	**13.1356**	**13.1356**	**1.6000e-004**	**1.4900e-003**	**13.5860**

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

3.4 Foundation Installation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1067	0.0000	0.1067	0.0582	0.0000	0.0582	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0400	0.3999	0.2532	5.5000e-004		0.0180	0.0180		0.0166	0.0166	0.0000	47.8141	47.8141	0.0151	0.0000	48.1912
Total	**0.0400**	**0.3999**	**0.2532**	**5.5000e-004**	**0.1067**	**0.0180**	**0.1247**	**0.0582**	**0.0166**	**0.0748**	**0.0000**	**47.8141**	**47.8141**	**0.0151**	**0.0000**	**48.1912**

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	2.9000e-004	0.0161	3.2900e-003	6.0000e-005	1.8400e-003	1.5000e-004	1.9900e-003	5.1000e-004	1.4000e-004	6.5000e-004	0.0000	6.1978	6.1978	1.0000e-005	9.7000e-004	6.4883
Vendor	2.8000e-004	7.1400e-003	2.4800e-003	3.0000e-005	8.8000e-004	5.0000e-005	9.2000e-004	2.5000e-004	5.0000e-005	3.0000e-004	0.0000	2.6697	2.6697	1.0000e-005	3.8000e-004	2.7838
Worker	2.8700e-003	1.8700e-003	0.0192	5.0000e-005	5.4500e-003	3.0000e-005	5.4900e-003	1.4500e-003	3.0000e-005	1.4800e-003	0.0000	4.2681	4.2681	1.4000e-004	1.4000e-004	4.3139
Total	**3.4400e-003**	**0.0251**	**0.0250**	**1.4000e-004**	**8.1700e-003**	**2.3000e-004**	**8.4000e-003**	**2.2100e-003**	**2.2000e-004**	**2.4300e-003**	**0.0000**	**13.1356**	**13.1356**	**1.6000e-004**	**1.4900e-003**	**13.5860**

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

3.5 Electrical Work - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0357	0.3493	0.3021	5.9000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	51.7236	51.7236	0.0167	0.0000	52.1418
Total	**0.0357**	**0.3493**	**0.3021**	**5.9000e-004**		**0.0160**	**0.0160**		**0.0147**	**0.0147**	**0.0000**	**51.7236**	**51.7236**	**0.0167**	**0.0000**	**52.1418**

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	4.0000e-005	2.2000e-003	4.5000e-004	1.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	0.8452	0.8452	0.0000	1.3000e-004	0.8848
Vendor	2.2000e-004	5.5500e-003	1.9300e-003	2.0000e-005	1.6400e-003	4.0000e-005	1.6700e-003	4.3000e-004	4.0000e-005	4.7000e-004	0.0000	2.0764	2.0764	1.0000e-005	3.0000e-004	2.1651
Worker	2.2300e-003	1.4600e-003	0.0150	4.0000e-005	0.0116	2.0000e-005	0.0116	2.9300e-003	2.0000e-005	2.9500e-003	0.0000	3.3197	3.3197	1.1000e-004	1.1000e-004	3.3553
Total	**2.4900e-003**	**9.2100e-003**	**0.0174**	**7.0000e-005**	**0.0138**	**8.0000e-005**	**0.0139**	**3.5200e-003**	**8.0000e-005**	**3.6000e-003**	**0.0000**	**6.2412**	**6.2412**	**1.2000e-004**	**5.4000e-004**	**6.4052**

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

3.5 Electrical Work - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0357	0.3493	0.3021	5.9000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	51.7235	51.7235	0.0167	0.0000	52.1417
Total	**0.0357**	**0.3493**	**0.3021**	**5.9000e-004**		**0.0160**	**0.0160**		**0.0147**	**0.0147**	**0.0000**	**51.7235**	**51.7235**	**0.0167**	**0.0000**	**52.1417**

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	4.0000e-005	2.2000e-003	4.5000e-004	1.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	0.8452	0.8452	0.0000	1.3000e-004	0.8848
Vendor	2.2000e-004	5.5500e-003	1.9300e-003	2.0000e-005	1.6400e-003	4.0000e-005	1.6700e-003	4.3000e-004	4.0000e-005	4.7000e-004	0.0000	2.0764	2.0764	1.0000e-005	3.0000e-004	2.1651
Worker	2.2300e-003	1.4600e-003	0.0150	4.0000e-005	0.0116	2.0000e-005	0.0116	2.9300e-003	2.0000e-005	2.9500e-003	0.0000	3.3197	3.3197	1.1000e-004	1.1000e-004	3.3553
Total	**2.4900e-003**	**9.2100e-003**	**0.0174**	**7.0000e-005**	**0.0138**	**8.0000e-005**	**0.0139**	**3.5200e-003**	**8.0000e-005**	**3.6000e-003**	**0.0000**	**6.2412**	**6.2412**	**1.2000e-004**	**5.4000e-004**	**6.4052**

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2900e-003	0.0876	0.0444	1.4000e-004		3.6500e-003	3.6500e-003		3.3500e-003	3.3500e-003	0.0000	12.6735	12.6735	4.1000e-003	0.0000	12.7760
Total	**8.2900e-003**	**0.0876**	**0.0444**	**1.4000e-004**		**3.6500e-003**	**3.6500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**12.6735**	**12.6735**	**4.1000e-003**	**0.0000**	**12.7760**

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	2.8000e-004	0.0154	3.1400e-003	6.0000e-005	1.7600e-003	1.4000e-004	1.9000e-003	4.8000e-004	1.3000e-004	6.2000e-004	0.0000	5.9161	5.9161	1.0000e-005	9.3000e-004	6.1934
Vendor	1.5000e-004	3.9700e-003	1.3800e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.1000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.4832	1.4832	1.0000e-005	2.1000e-004	1.5465
Worker	1.5900e-003	1.0400e-003	0.0107	3.0000e-005	3.0300e-003	2.0000e-005	3.0500e-003	8.1000e-004	2.0000e-005	8.2000e-004	0.0000	2.3712	2.3712	8.0000e-005	8.0000e-005	2.3966
Total	**2.0200e-003**	**0.0204**	**0.0152**	**1.1000e-004**	**5.2800e-003**	**1.9000e-004**	**5.4600e-003**	**1.4300e-003**	**1.8000e-004**	**1.6100e-003**	**0.0000**	**9.7704**	**9.7704**	**1.0000e-004**	**1.2200e-003**	**10.1366**

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2900e-003	0.0876	0.0444	1.4000e-004		3.6500e-003	3.6500e-003		3.3500e-003	3.3500e-003	0.0000	12.6735	12.6735	4.1000e-003	0.0000	12.7760
Total	**8.2900e-003**	**0.0876**	**0.0444**	**1.4000e-004**		**3.6500e-003**	**3.6500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**12.6735**	**12.6735**	**4.1000e-003**	**0.0000**	**12.7760**

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	2.8000e-004	0.0154	3.1400e-003	6.0000e-005	1.7600e-003	1.4000e-004	1.9000e-003	4.8000e-004	1.3000e-004	6.2000e-004	0.0000	5.9161	5.9161	1.0000e-005	9.3000e-004	6.1934
Vendor	1.5000e-004	3.9700e-003	1.3800e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.1000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.4832	1.4832	1.0000e-005	2.1000e-004	1.5465
Worker	1.5900e-003	1.0400e-003	0.0107	3.0000e-005	3.0300e-003	2.0000e-005	3.0500e-003	8.1000e-004	2.0000e-005	8.2000e-004	0.0000	2.3712	2.3712	8.0000e-005	8.0000e-005	2.3966
Total	**2.0200e-003**	**0.0204**	**0.0152**	**1.1000e-004**	**5.2800e-003**	**1.9000e-004**	**5.4600e-003**	**1.4300e-003**	**1.8000e-004**	**1.6100e-003**	**0.0000**	**9.7704**	**9.7704**	**1.0000e-004**	**1.2200e-003**	**10.1366**

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

3.7 Enclosure Decommissioning - 2030

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	5.2900e-003	0.0177	0.0271	1.4000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	12.1825	12.1825	4.3000e-004	0.0000	12.1932
Total	**5.2900e-003**	**0.0177**	**0.0271**	**1.4000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**12.1825**	**12.1825**	**4.3000e-004**	**0.0000**	**12.1932**

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	1.7000e-004	8.9000e-003	2.1100e-003	4.0000e-005	1.1700e-003	8.0000e-005	1.2500e-003	3.2000e-004	8.0000e-005	4.0000e-004	0.0000	3.3672	3.3672	1.0000e-005	5.3000e-004	3.5251
Vendor	2.1000e-004	5.5700e-003	1.9400e-003	2.0000e-005	7.8000e-004	4.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.1121	2.1121	1.0000e-005	2.9000e-004	2.1997
Worker	1.7600e-003	8.7000e-004	0.0110	3.0000e-005	4.8500e-003	2.0000e-005	4.8700e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.2030	3.2030	7.0000e-005	8.0000e-005	3.2297
Total	**2.1400e-003**	**0.0153**	**0.0150**	**9.0000e-005**	**6.8000e-003**	**1.4000e-004**	**6.9400e-003**	**1.8400e-003**	**1.3000e-004**	**1.9700e-003**	**0.0000**	**8.6824**	**8.6824**	**9.0000e-005**	**9.0000e-004**	**8.9545**

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

3.7 Enclosure Decommissioning - 2030

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	5.2900e-003	0.0177	0.0271	1.4000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	12.1825	12.1825	4.3000e-004	0.0000	12.1932
Total	**5.2900e-003**	**0.0177**	**0.0271**	**1.4000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**12.1825**	**12.1825**	**4.3000e-004**	**0.0000**	**12.1932**

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	1.7000e-004	8.9000e-003	2.1100e-003	4.0000e-005	1.1700e-003	8.0000e-005	1.2500e-003	3.2000e-004	8.0000e-005	4.0000e-004	0.0000	3.3672	3.3672	1.0000e-005	5.3000e-004	3.5251
Vendor	2.1000e-004	5.5700e-003	1.9400e-003	2.0000e-005	7.8000e-004	4.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.1121	2.1121	1.0000e-005	2.9000e-004	2.1997
Worker	1.7600e-003	8.7000e-004	0.0110	3.0000e-005	4.8500e-003	2.0000e-005	4.8700e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.2030	3.2030	7.0000e-005	8.0000e-005	3.2297
Total	**2.1400e-003**	**0.0153**	**0.0150**	**9.0000e-005**	**6.8000e-003**	**1.4000e-004**	**6.9400e-003**	**1.8400e-003**	**1.3000e-004**	**1.9700e-003**	**0.0000**	**8.6824**	**8.6824**	**9.0000e-005**	**9.0000e-004**	**8.9545**

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

3.8 Restoration - 2030

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	0.2762	1.4672	2.6566	5.7900e-003		0.0478	0.0478		0.0478	0.0478	0.0000	497.3389	497.3389	0.0224	0.0000	497.8984
Total	**0.2762**	**1.4672**	**2.6566**	**5.7900e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**	**0.0000**	**497.3389**	**497.3389**	**0.0224**	**0.0000**	**497.8984**

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	2.4000e-004	0.0127	3.0100e-003	5.0000e-005	1.6700e-003	1.2000e-004	1.7900e-003	4.6000e-004	1.1000e-004	5.7000e-004	0.0000	4.8103	4.8103	1.0000e-005	7.6000e-004	5.0359
Vendor	1.0600e-003	0.0278	9.6900e-003	1.1000e-004	3.9000e-003	1.8000e-004	4.0800e-003	1.1300e-003	1.7000e-004	1.3000e-003	0.0000	10.5605	10.5605	4.0000e-005	1.4700e-003	10.9985
Worker	8.8200e-003	4.3700e-003	0.0550	1.7000e-004	0.0242	9.0000e-005	0.0243	6.4500e-003	9.0000e-005	6.5400e-003	0.0000	16.0152	16.0152	3.4000e-004	4.2000e-004	16.1487
Total	**0.0101**	**0.0449**	**0.0677**	**3.3000e-004**	**0.0298**	**3.9000e-004**	**0.0302**	**8.0400e-003**	**3.7000e-004**	**8.4100e-003**	**0.0000**	**31.3860**	**31.3860**	**3.9000e-004**	**2.6500e-003**	**32.1831**

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

3.8 Restoration - 2030

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	0.2762	1.4672	2.6566	5.7900e-003		0.0478	0.0478		0.0478	0.0478	0.0000	497.3383	497.3383	0.0224	0.0000	497.8978
Total	**0.2762**	**1.4672**	**2.6566**	**5.7900e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**	**0.0000**	**497.3383**	**497.3383**	**0.0224**	**0.0000**	**497.8978**

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	2.4000e-004	0.0127	3.0100e-003	5.0000e-005	1.6700e-003	1.2000e-004	1.7900e-003	4.6000e-004	1.1000e-004	5.7000e-004	0.0000	4.8103	4.8103	1.0000e-005	7.6000e-004	5.0359
Vendor	1.0600e-003	0.0278	9.6900e-003	1.1000e-004	3.9000e-003	1.8000e-004	4.0800e-003	1.1300e-003	1.7000e-004	1.3000e-003	0.0000	10.5605	10.5605	4.0000e-005	1.4700e-003	10.9985
Worker	8.8200e-003	4.3700e-003	0.0550	1.7000e-004	0.0242	9.0000e-005	0.0243	6.4500e-003	9.0000e-005	6.5400e-003	0.0000	16.0152	16.0152	3.4000e-004	4.2000e-004	16.1487
Total	**0.0101**	**0.0449**	**0.0677**	**3.3000e-004**	**0.0298**	**3.9000e-004**	**0.0302**	**8.0400e-003**	**3.7000e-004**	**8.4100e-003**	**0.0000**	**31.3860**	**31.3860**	**3.9000e-004**	**2.6500e-003**	**32.1831**

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	1.0500e-003	1.6200e-003	9.1800e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6800e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5360	1.5360	1.1000e-004	9.0000e-005	1.5649
Unmitigated	1.0500e-003	1.6200e-003	9.1800e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6800e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5360	1.5360	1.1000e-004	9.0000e-005	1.5649

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	2.18	0.00	0.00	4,542	4,542
Total	2.18	0.00	0.00	4,542	4,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.469465	0.066061	0.203104	0.149205	0.045283	0.008608	0.007230	0.012003	0.000542	0.000293	0.032608	0.001048	0.004550

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

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					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-003
Unmitigated	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-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	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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-003
Total	**1.8000e-004**	**2.0000e-005**	**2.0000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8900e-003**	**3.8900e-003**	**1.0000e-005**	**0.0000**	**4.1400e-003**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	2.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8900e-003	3.8900e-003	1.0000e-005	0.0000	4.1400e-003
Total	**1.8000e-004**	**2.0000e-005**	**2.0000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8900e-003**	**3.8900e-003**	**1.0000e-005**	**0.0000**	**4.1400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

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

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			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation