

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Chowchilla Sports Complex
San Joaquin Valley Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	9.78	1000sqft	0.22	9,780.00	0
Parking Lot	328.00	Space	2.95	131,200.00	0
Automobile Care Center	17.04	1000sqft	0.39	17,040.00	0
City Park	2.75	Acre	2.75	119,790.00	0
Health Club	4.38	1000sqft	0.10	4,380.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Demolition - Demolition based on removal of asphalt and non-permanent structures.
- Operational Off-Road Equipment -
- Land Use Change -
- Stationary Sources - Emergency Generators and Fire Pumps -
- Construction Phase - See assumptions.
- Vehicle Trips - No new trips anticipated with the project.

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

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Consumer Products - City park land use was used to calculate recreational fields and is not used as a city park.

Solid Waste - Only new building is high school land use, all other uses are a relocation and has a net zero increase of solid waste generation.

Water And Wastewater - See assumptions.

Construction Off-road Equipment Mitigation - Tier 4 potential mitigation.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions.

Grading - Total acres graded based on CalEEMod equipment usage.

Off-road Equipment - See assumptions.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	230.00	210.00
tblConstructionPhase	PhaseEndDate	3/21/2025	12/31/2024
tblConstructionPhase	PhaseEndDate	1/24/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	2/21/2025	3/28/2024
tblConstructionPhase	PhaseStartDate	2/22/2025	9/18/2024
tblConstructionPhase	PhaseStartDate	1/25/2025	3/1/2024
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblGrading	AcresOfGrading	10.00	20.00
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment

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tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment

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tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	65.09	0.00
tblSolidWaste	SolidWasteGenerationRate	0.24	0.00
tblSolidWaste	SolidWasteGenerationRate	24.97	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	14.07	0.00

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tblWater	IndoorWaterUseRate	1,603,142.07	19,968.00
tblWater	OutdoorWaterUseRate	982,570.95	0.00
tblWater	OutdoorWaterUseRate	158,770.72	0.00

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	9.2991	35.4543	43.6735	0.1028	7.9322	1.4936	9.2810	3.5667	1.4016	4.8165	0.0000	9,955.0197	9,955.0197	1.7371	0.1712	10,049.4736
Maximum	9.2991	35.4543	43.6735	0.1028	7.9322	1.4936	9.2810	3.5667	1.4016	4.8165	0.0000	9,955.0197	9,955.0197	1.7371	0.1712	10,049.4736

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	7.7185	9.3325	50.5399	0.1003	3.7451	0.1785	3.8316	1.6516	0.1773	1.7379	0.0000	9,747.5419	9,747.5419	1.7159	0.1712	9,841.4664
Maximum	7.7185	9.3325	50.5399	0.1003	3.7451	0.1785	3.8316	1.6516	0.1773	1.7379	0.0000	9,747.5419	9,747.5419	1.7159	0.1712	9,841.4664

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.00	73.68	-15.72	2.48	52.79	88.05	58.72	53.69	87.35	63.92	0.00	2.08	2.08	1.22	0.00	2.07

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
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
Total	0.8717	0.1848	0.1918	1.1100e-003	0.0000	0.0142	0.0142	0.0000	0.0142	0.0142		221.4234	221.4234	4.4500e-003	4.0600e-003	222.7439

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	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
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
Total	0.8717	0.1848	0.1918	1.1100e-003	0.0000	0.0142	0.0142	0.0000	0.0142	0.0142		221.4234	221.4234	4.4500e-003	4.0600e-003	222.7439

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/8/2024	5	20	
4	Building Construction	Building Construction	3/9/2024	12/27/2024	5	210	
5	Paving	Paving	3/1/2024	3/28/2024	5	20	
6	Architectural Coating	Architectural Coating	9/18/2024	12/31/2024	5	75	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,800; Non-Residential Outdoor: 15,600; Striped Parking Area: 7,872 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Signal Boards	1	8.00	6	0.82
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Plate Compactors	1	8.00	8	0.43
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	1	8.00	212	0.43
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	1	8.00	367	0.48
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Generator Sets	1	8.00	84	0.74
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Trenchers	1	8.00	78	0.50
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Grading	Pressure Washers	1	8.00	13	0.30

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Grading	Rollers	1	8.00	80	0.38
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pressure Washers	1	8.00	13	0.30
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	112.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	117.00	46.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

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Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					1.2274	0.0000	1.2274	0.1859	0.0000	0.1859			0.0000			0.0000
Off-Road	3.6809	34.6587	31.2212	0.0670		1.4851	1.4851		1.3935	1.3935		6,434.290 2	6,434.290 2	1.6138		6,474.634 8
Total	3.6809	34.6587	31.2212	0.0670	1.2274	1.4851	2.7125	0.1859	1.3935	1.5793		6,434.290 2	6,434.290 2	1.6138		6,474.634 8

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3.2 Demolition - 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	0.0113	0.7097	0.1489	3.2200e-003	0.0982	6.7200e-003	0.1049	0.0269	6.4300e-003	0.0334		341.3724	341.3724	1.4000e-003	0.0537	357.4036
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	0.1205	0.0859	0.9586	3.0100e-003	0.3832	1.8000e-003	0.3850	0.1016	1.6600e-003	0.1033		310.9544	310.9544	7.5700e-003	8.4500e-003	313.6605
Total	0.1318	0.7957	1.1076	6.2300e-003	0.4814	8.5200e-003	0.4899	0.1286	8.0900e-003	0.1366		652.3268	652.3268	8.9700e-003	0.0621	671.0642

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					0.5523	0.0000	0.5523	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	0.9030	6.1534	36.2933	0.0670		0.1203	0.1203		0.1203	0.1203	0.0000	6,434.2902	6,434.2902	1.6138		6,474.6348
Total	0.9030	6.1534	36.2933	0.0670	0.5523	0.1203	0.6727	0.0836	0.1203	0.2040	0.0000	6,434.2902	6,434.2902	1.6138		6,474.6348

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	0.0113	0.7097	0.1489	3.2200e-003	0.0982	6.7200e-003	0.1049	0.0269	6.4300e-003	0.0334		341.3724	341.3724	1.4000e-003	0.0537	357.4036
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	0.1205	0.0859	0.9586	3.0100e-003	0.3832	1.8000e-003	0.3850	0.1016	1.6600e-003	0.1033		310.9544	310.9544	7.5700e-003	8.4500e-003	313.6605
Total	0.1318	0.7957	1.1076	6.2300e-003	0.4814	8.5200e-003	0.4899	0.1286	8.0900e-003	0.1366		652.3268	652.3268	8.9700e-003	0.0621	671.0642

3.3 Site Preparation - 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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9933	29.9713	24.3959	0.0531		1.3473	1.3473		1.2484	1.2484		5,131.8234	5,131.8234	1.4835		5,168.9096
Total	2.9933	29.9713	24.3959	0.0531	7.6128	1.3473	8.9602	3.4820	1.2484	4.7304		5,131.8234	5,131.8234	1.4835		5,168.9096

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	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	0.1004	0.0716	0.7989	2.5100e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		259.1287	259.1287	6.3000e-003	7.0400e-003	261.3838
Total	0.1004	0.0716	0.7989	2.5100e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		259.1287	259.1287	6.3000e-003	7.0400e-003	261.3838

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4258	0.0000	3.4258	1.5669	0.0000	1.5669			0.0000			0.0000
Off-Road	0.6683	4.0488	30.3059	0.0531		0.0850	0.0850		0.0850	0.0850	0.0000	5,131.8234	5,131.8234	1.4835		5,168.9096
Total	0.6683	4.0488	30.3059	0.0531	3.4258	0.0850	3.5107	1.5669	0.0850	1.6519	0.0000	5,131.8234	5,131.8234	1.4835		5,168.9096

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	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	0.1004	0.0716	0.7989	2.5100e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		259.1287	259.1287	6.3000e-003	7.0400e-003	261.3838
Total	0.1004	0.0716	0.7989	2.5100e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		259.1287	259.1287	6.3000e-003	7.0400e-003	261.3838

3.4 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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.3641	13.2319	15.0396	0.0277		0.5818	0.5818		0.5459	0.5459		2,639.4657	2,639.4657	0.6609		2,655.9891
Total	1.3641	13.2319	15.0396	0.0277	1.0605	0.5818	1.6423	0.1145	0.5459	0.6604		2,639.4657	2,639.4657	0.6609		2,655.9891

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	0.0000	0.0000	0.0000	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	0.0803	0.0573	0.6391	2.0100e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		207.3029	207.3029	5.0400e-003	5.6300e-003	209.1070
Total	0.0803	0.0573	0.6391	2.0100e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		207.3029	207.3029	5.0400e-003	5.6300e-003	209.1070

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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	0.3830	2.8899	17.4068	0.0277		0.0513	0.0513		0.0513	0.0513	0.0000	2,639.4657	2,639.4657	0.6609		2,655.9891
Total	0.3830	2.8899	17.4068	0.0277	0.4772	0.0513	0.5286	0.0515	0.0513	0.1029	0.0000	2,639.4657	2,639.4657	0.6609		2,655.9891

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	0.0000	0.0000	0.0000	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	0.0803	0.0573	0.6391	2.0100e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		207.3029	207.3029	5.0400e-003	5.6300e-003	209.1070
Total	0.0803	0.0573	0.6391	2.0100e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		207.3029	207.3029	5.0400e-003	5.6300e-003	209.1070

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9357	17.3235	19.4323	0.0450		0.7083	0.7083		0.6753	0.6753		4,255.7543	4,255.7543	0.9707		4,280.0220
Total	1.9357	17.3235	19.4323	0.0450		0.7083	0.7083		0.6753	0.6753		4,255.7543	4,255.7543	0.9707		4,280.0220

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	0.0000	0.0000	0.0000	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	0.0460	1.9403	0.6035	8.3300e-003	0.2821	0.0120	0.2941	0.0812	0.0115	0.0928		880.6617	880.6617	3.6900e-003	0.1318	920.0348
Worker	0.4698	0.3351	3.7387	0.0118	1.4945	7.0200e-003	1.5015	0.3963	6.4600e-003	0.4028		1,212.7222	1,212.7222	0.0295	0.0329	1,223.2761
Total	0.5158	2.2754	4.3421	0.0201	1.7765	0.0191	1.7956	0.4776	0.0180	0.4955		2,093.3839	2,093.3839	0.0332	0.1648	2,143.3109

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	0.5566	3.2901	22.9498	0.0424		0.0779	0.0779		0.0779	0.0779	0.0000	4,048.2766	4,048.2766	0.9495		4,072.0149
Total	0.5566	3.2901	22.9498	0.0424		0.0779	0.0779		0.0779	0.0779	0.0000	4,048.2766	4,048.2766	0.9495		4,072.0149

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	0.0000	0.0000	0.0000	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	0.0460	1.9403	0.6035	8.3300e-003	0.2821	0.0120	0.2941	0.0812	0.0115	0.0928		880.6617	880.6617	3.6900e-003	0.1318	920.0348
Worker	0.4698	0.3351	3.7387	0.0118	1.4945	7.0200e-003	1.5015	0.3963	6.4600e-003	0.4028		1,212.7222	1,212.7222	0.0295	0.0329	1,223.2761
Total	0.5158	2.2754	4.3421	0.0201	1.7765	0.0191	1.7956	0.4776	0.0180	0.4955		2,093.3839	2,093.3839	0.0332	0.1648	2,143.3109

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5648	14.0378	19.1641	0.0354		0.6453	0.6453		0.6136	0.6136		3,367.4831	3,367.4831	0.7274		3,385.6676
Paving	0.3865					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9513	14.0378	19.1641	0.0354		0.6453	0.6453		0.6136	0.6136		3,367.4831	3,367.4831	0.7274		3,385.6676

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	0.0000	0.0000	0.0000	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	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731
Total	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731

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	0.5363	3.7012	22.5131	0.0354		0.0802	0.0802		0.0802	0.0802	0.0000	3,367.4831	3,367.4831	0.7274		3,385.6676
Paving	0.3865					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9228	3.7012	22.5131	0.0354		0.0802	0.0802		0.0802	0.0802	0.0000	3,367.4831	3,367.4831	0.7274		3,385.6676

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	0.0000	0.0000	0.0000	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	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731
Total	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.5142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	6.7552	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	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	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731
Total	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731

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	6.5142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0396	0.1717	2.4432	3.9600e-003		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	375.2641	375.2641	0.0211		375.7923
Total	6.5538	0.1717	2.4432	3.9600e-003		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	375.2641	375.2641	0.0211		375.7923

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	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	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731
Total	0.0924	0.0659	0.7350	2.3100e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		238.3984	238.3984	5.8000e-003	6.4800e-003	240.4731

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
High School	0.00	0.00	0.00		
Parking Lot	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
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9
High School	14.70	6.60	6.60	77.80	17.20	5.00	75	19	6
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
City Park	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Health Club	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
High School	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Parking Lot	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395

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	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
NaturalGas Unmitigated	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	966.378	0.0104	0.0947	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003		113.6915	113.6915	2.1800e-003	2.0800e-003	114.3672
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	248.4	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2235	29.2235	5.6000e-004	5.4000e-004	29.3972
High School	666.648	7.1900e-003	0.0654	0.0549	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4291	78.4291	1.5000e-003	1.4400e-003	78.8952
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	0.966378	0.0104	0.0947	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003		113.6915	113.6915	2.1800e-003	2.0800e-003	114.3672
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0.2484	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2235	29.2235	5.6000e-004	5.4000e-004	29.3972
High School	0.666648	7.1900e-003	0.0654	0.0549	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4291	78.4291	1.5000e-003	1.4400e-003	78.8952
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

6.0 Area Detail

6.1 Mitigation Measures Area

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Unmitigated	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

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	0.1339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

7.0 Water Detail

7.1 Mitigation Measures Water

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
	0	0	0	0	0.73	

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Chowchilla Sports Complex
San Joaquin Valley Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	9.78	1000sqft	0.22	9,780.00	0
Parking Lot	328.00	Space	2.95	131,200.00	0
Automobile Care Center	17.04	1000sqft	0.39	17,040.00	0
City Park	2.75	Acre	2.75	119,790.00	0
Health Club	4.38	1000sqft	0.10	4,380.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Demolition - Demolition based on removal of asphalt and non-permanent structures.
- Operational Off-Road Equipment -
- Land Use Change -
- Stationary Sources - Emergency Generators and Fire Pumps -
- Construction Phase - See assumptions.
- Vehicle Trips - No new trips anticipated with the project.

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Consumer Products - City park land use was used to calculate recreational fields and is not used as a city park.

Solid Waste - Only new building is high school land use, all other uses are a relocation and has a net zero increase of solid waste generation.

Water And Wastewater - See assumptions.

Construction Off-road Equipment Mitigation - Tier 4 potential mitigation.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions.

Grading - Total acres graded based on CalEEMod equipment usage.

Off-road Equipment - See assumptions.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	230.00	210.00
tblConstructionPhase	PhaseEndDate	3/21/2025	12/31/2024
tblConstructionPhase	PhaseEndDate	1/24/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	2/21/2025	3/28/2024
tblConstructionPhase	PhaseStartDate	2/22/2025	9/18/2024
tblConstructionPhase	PhaseStartDate	1/25/2025	3/1/2024
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblGrading	AcresOfGrading	10.00	20.00
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	65.09	0.00
tblSolidWaste	SolidWasteGenerationRate	0.24	0.00
tblSolidWaste	SolidWasteGenerationRate	24.97	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	14.07	0.00

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	1,603,142.07	19,968.00
tblWater	OutdoorWaterUseRate	982,570.95	0.00
tblWater	OutdoorWaterUseRate	158,770.72	0.00

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	9.3341	35.3932	44.6115	0.1046	7.9322	1.4936	9.2810	3.5667	1.4016	4.8165	0.0000	10,133.8308	10,133.8308	1.7354	0.1668	10,226.9071
Maximum	9.3341	35.3932	44.6115	0.1046	7.9322	1.4936	9.2810	3.5667	1.4016	4.8165	0.0000	10,133.8308	10,133.8308	1.7354	0.1668	10,226.9071

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	7.7535	9.1425	51.4779	0.1020	3.7451	0.1785	3.8316	1.6516	0.1773	1.7379	0.0000	9,926.3530	9,926.3530	1.7142	0.1668	10,018.9000
Maximum	7.7535	9.1425	51.4779	0.1020	3.7451	0.1785	3.8316	1.6516	0.1773	1.7379	0.0000	9,926.3530	9,926.3530	1.7142	0.1668	10,018.9000

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	16.93	74.17	-15.39	2.44	52.79	88.05	58.72	53.69	87.35	63.92	0.00	2.05	2.05	1.22	0.00	2.03

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
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
Total	0.8717	0.1848	0.1918	1.1100e-003	0.0000	0.0142	0.0142	0.0000	0.0142	0.0142		221.4234	221.4234	4.4500e-003	4.0600e-003	222.7439

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	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
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
Total	0.8717	0.1848	0.1918	1.1100e-003	0.0000	0.0142	0.0142	0.0000	0.0142	0.0142		221.4234	221.4234	4.4500e-003	4.0600e-003	222.7439

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	Demolition	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/8/2024	5	20	
4	Building Construction	Building Construction	3/9/2024	12/27/2024	5	210	
5	Paving	Paving	3/1/2024	3/28/2024	5	20	
6	Architectural Coating	Architectural Coating	9/18/2024	12/31/2024	5	75	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,800; Non-Residential Outdoor: 15,600; Striped Parking Area: 7,872 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Signal Boards	1	8.00	6	0.82
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Plate Compactors	1	8.00	8	0.43
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	1	8.00	212	0.43
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	1	8.00	367	0.48
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Generator Sets	1	8.00	84	0.74
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Trenchers	1	8.00	78	0.50
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Grading	Pressure Washers	1	8.00	13	0.30

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Rollers	1	8.00	80	0.38
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pressure Washers	1	8.00	13	0.30
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	112.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	117.00	46.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					1.2274	0.0000	1.2274	0.1859	0.0000	0.1859			0.0000			0.0000
Off-Road	3.6809	34.6587	31.2212	0.0670		1.4851	1.4851		1.3935	1.3935		6,434.290 2	6,434.290 2	1.6138		6,474.634 8
Total	3.6809	34.6587	31.2212	0.0670	1.2274	1.4851	2.7125	0.1859	1.3935	1.5793		6,434.290 2	6,434.290 2	1.6138		6,474.634 8

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	0.0122	0.6617	0.1461	3.2200e-003	0.0982	6.7100e-003	0.1049	0.0269	6.4200e-003	0.0334		340.9196	340.9196	1.4500e-003	0.0536	356.9305
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	0.1273	0.0728	1.1641	3.3900e-003	0.3832	1.8000e-003	0.3850	0.1016	1.6600e-003	0.1033		349.6773	349.6773	7.1700e-003	7.5700e-003	352.1132
Total	0.1395	0.7345	1.3102	6.6100e-003	0.4814	8.5100e-003	0.4899	0.1286	8.0800e-003	0.1366		690.5969	690.5969	8.6200e-003	0.0612	709.0437

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					0.5523	0.0000	0.5523	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	0.9030	6.1534	36.2933	0.0670		0.1203	0.1203		0.1203	0.1203	0.0000	6,434.2902	6,434.2902	1.6138		6,474.6348
Total	0.9030	6.1534	36.2933	0.0670	0.5523	0.1203	0.6727	0.0836	0.1203	0.2040	0.0000	6,434.2902	6,434.2902	1.6138		6,474.6348

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	0.0122	0.6617	0.1461	3.2200e-003	0.0982	6.7100e-003	0.1049	0.0269	6.4200e-003	0.0334		340.9196	340.9196	1.4500e-003	0.0536	356.9305
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	0.1273	0.0728	1.1641	3.3900e-003	0.3832	1.8000e-003	0.3850	0.1016	1.6600e-003	0.1033		349.6773	349.6773	7.1700e-003	7.5700e-003	352.1132
Total	0.1395	0.7345	1.3102	6.6100e-003	0.4814	8.5100e-003	0.4899	0.1286	8.0800e-003	0.1366		690.5969	690.5969	8.6200e-003	0.0612	709.0437

3.3 Site Preparation - 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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9933	29.9713	24.3959	0.0531		1.3473	1.3473		1.2484	1.2484		5,131.8234	5,131.8234	1.4835		5,168.9096
Total	2.9933	29.9713	24.3959	0.0531	7.6128	1.3473	8.9602	3.4820	1.2484	4.7304		5,131.8234	5,131.8234	1.4835		5,168.9096

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	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	0.1061	0.0607	0.9701	2.8200e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		291.3977	291.3977	5.9800e-003	6.3100e-003	293.4277
Total	0.1061	0.0607	0.9701	2.8200e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		291.3977	291.3977	5.9800e-003	6.3100e-003	293.4277

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4258	0.0000	3.4258	1.5669	0.0000	1.5669			0.0000			0.0000
Off-Road	0.6683	4.0488	30.3059	0.0531		0.0850	0.0850		0.0850	0.0850	0.0000	5,131.8234	5,131.8234	1.4835		5,168.9096
Total	0.6683	4.0488	30.3059	0.0531	3.4258	0.0850	3.5107	1.5669	0.0850	1.6519	0.0000	5,131.8234	5,131.8234	1.4835		5,168.9096

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	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	0.1061	0.0607	0.9701	2.8200e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		291.3977	291.3977	5.9800e-003	6.3100e-003	293.4277
Total	0.1061	0.0607	0.9701	2.8200e-003	0.3193	1.5000e-003	0.3208	0.0847	1.3800e-003	0.0861		291.3977	291.3977	5.9800e-003	6.3100e-003	293.4277

3.4 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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.3641	13.2319	15.0396	0.0277		0.5818	0.5818		0.5459	0.5459		2,639.4657	2,639.4657	0.6609		2,655.9891
Total	1.3641	13.2319	15.0396	0.0277	1.0605	0.5818	1.6423	0.1145	0.5459	0.6604		2,639.4657	2,639.4657	0.6609		2,655.9891

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	0.0000	0.0000	0.0000	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	0.0848	0.0486	0.7761	2.2600e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		233.1182	233.1182	4.7800e-003	5.0500e-003	234.7422
Total	0.0848	0.0486	0.7761	2.2600e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		233.1182	233.1182	4.7800e-003	5.0500e-003	234.7422

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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	0.3830	2.8899	17.4068	0.0277		0.0513	0.0513		0.0513	0.0513	0.0000	2,639.4657	2,639.4657	0.6609		2,655.9891
Total	0.3830	2.8899	17.4068	0.0277	0.4772	0.0513	0.5286	0.0515	0.0513	0.1029	0.0000	2,639.4657	2,639.4657	0.6609		2,655.9891

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	0.0000	0.0000	0.0000	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	0.0848	0.0486	0.7761	2.2600e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		233.1182	233.1182	4.7800e-003	5.0500e-003	234.7422
Total	0.0848	0.0486	0.7761	2.2600e-003	0.2555	1.2000e-003	0.2567	0.0678	1.1000e-003	0.0689		233.1182	233.1182	4.7800e-003	5.0500e-003	234.7422

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9357	17.3235	19.4323	0.0450		0.7083	0.7083		0.6753	0.6753		4,255.7543	4,255.7543	0.9707		4,280.0220
Total	1.9357	17.3235	19.4323	0.0450		0.7083	0.7083		0.6753	0.6753		4,255.7543	4,255.7543	0.9707		4,280.0220

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	0.0000	0.0000	0.0000	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	0.0492	1.8113	0.5826	8.3200e-003	0.2821	0.0120	0.2941	0.0812	0.0115	0.0927		878.7663	878.7663	3.8300e-003	0.1314	918.0225
Worker	0.4963	0.2841	4.5400	0.0132	1.4945	7.0200e-003	1.5015	0.3963	6.4600e-003	0.4028		1,363.7413	1,363.7413	0.0280	0.0295	1,373.2416
Total	0.5455	2.0954	5.1226	0.0215	1.7765	0.0190	1.7955	0.4776	0.0179	0.4955		2,242.5075	2,242.5075	0.0318	0.1609	2,291.2641

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	0.5566	3.2901	22.9498	0.0424		0.0779	0.0779		0.0779	0.0779	0.0000	4,048.2766	4,048.2766	0.9495		4,072.0149
Total	0.5566	3.2901	22.9498	0.0424		0.0779	0.0779		0.0779	0.0779	0.0000	4,048.2766	4,048.2766	0.9495		4,072.0149

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	0.0000	0.0000	0.0000	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	0.0492	1.8113	0.5826	8.3200e-003	0.2821	0.0120	0.2941	0.0812	0.0115	0.0927		878.7663	878.7663	3.8300e-003	0.1314	918.0225
Worker	0.4963	0.2841	4.5400	0.0132	1.4945	7.0200e-003	1.5015	0.3963	6.4600e-003	0.4028		1,363.7413	1,363.7413	0.0280	0.0295	1,373.2416
Total	0.5455	2.0954	5.1226	0.0215	1.7765	0.0190	1.7955	0.4776	0.0179	0.4955		2,242.5075	2,242.5075	0.0318	0.1609	2,291.2641

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5648	14.0378	19.1641	0.0354		0.6453	0.6453		0.6136	0.6136		3,367.4831	3,367.4831	0.7274		3,385.6676
Paving	0.3865					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9513	14.0378	19.1641	0.0354		0.6453	0.6453		0.6136	0.6136		3,367.4831	3,367.4831	0.7274		3,385.6676

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	0.0000	0.0000	0.0000	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	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535
Total	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535

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	0.5363	3.7012	22.5131	0.0354		0.0802	0.0802		0.0802	0.0802	0.0000	3,367.4831	3,367.4831	0.7274		3,385.6676
Paving	0.3865					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9228	3.7012	22.5131	0.0354		0.0802	0.0802		0.0802	0.0802	0.0000	3,367.4831	3,367.4831	0.7274		3,385.6676

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	0.0000	0.0000	0.0000	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	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535
Total	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.5142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	6.7552	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	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	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535
Total	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535

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	6.5142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0396	0.1717	2.4432	3.9600e-003		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	375.2641	375.2641	0.0211		375.7923
Total	6.5538	0.1717	2.4432	3.9600e-003		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	375.2641	375.2641	0.0211		375.7923

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	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	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535
Total	0.0976	0.0559	0.8925	2.6000e-003	0.2938	1.3800e-003	0.2952	0.0779	1.2700e-003	0.0792		268.0859	268.0859	5.5000e-003	5.8100e-003	269.9535

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
High School	0.00	0.00	0.00		
Parking Lot	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
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9
High School	14.70	6.60	6.60	77.80	17.20	5.00	75	19	6
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
City Park	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Health Club	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
High School	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Parking Lot	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395

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	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595
NaturalGas Unmitigated	0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	966.378	0.0104	0.0947	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003		113.6915	113.6915	2.1800e-003	2.0800e-003	114.3672
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	248.4	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2235	29.2235	5.6000e-004	5.4000e-004	29.3972
High School	666.648	7.1900e-003	0.0654	0.0549	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4291	78.4291	1.5000e-003	1.4400e-003	78.8952
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	0.966378	0.0104	0.0947	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003		113.6915	113.6915	2.1800e-003	2.0800e-003	114.3672
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0.2484	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2235	29.2235	5.6000e-004	5.4000e-004	29.3972
High School	0.666648	7.1900e-003	0.0654	0.0549	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4291	78.4291	1.5000e-003	1.4400e-003	78.8952
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0203	0.1845	0.1549	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.3442	221.3442	4.2400e-003	4.0600e-003	222.6595

6.0 Area Detail

6.1 Mitigation Measures Area

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Unmitigated	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

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	0.1339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	0.8514	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

7.0 Water Detail

7.1 Mitigation Measures Water

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
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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
	0	0	0	0	0.73	

Boilers

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

Consumer Products - City park land use was used to calculate recreational fields and is not used as a city park.

Solid Waste - Only new building is high school land use, all other uses are a relocation and has a net zero increase of solid waste generation.

Water And Wastewater - See assumptions.

Construction Off-road Equipment Mitigation - Tier 4 potential mitigation.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions.

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment - See assumptions.

Grading - Total acres graded based on CalEEMod equipment usage.

Off-road Equipment - See assumptions.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	230.00	210.00
tblConstructionPhase	PhaseEndDate	3/21/2025	12/31/2024
tblConstructionPhase	PhaseEndDate	1/24/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	2/21/2025	3/28/2024
tblConstructionPhase	PhaseStartDate	2/22/2025	9/18/2024
tblConstructionPhase	PhaseStartDate	1/25/2025	3/1/2024
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblGrading	AcresOfGrading	10.00	20.00
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	65.09	0.00
tblSolidWaste	SolidWasteGenerationRate	0.24	0.00
tblSolidWaste	SolidWasteGenerationRate	24.97	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	14.07	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	1,603,142.07	19,968.00
tblWater	OutdoorWaterUseRate	982,570.95	0.00
tblWater	OutdoorWaterUseRate	158,770.72	0.00

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	0.5997	2.8914	3.4313	8.8000e-003	0.2649	0.1135	0.3784	0.0753	0.1078	0.1831	0.0000	777.2868	777.2868	0.1306	0.0164	785.4337
Maximum	0.5997	2.8914	3.4313	8.8000e-003	0.2649	0.1135	0.3784	0.0753	0.1078	0.1831	0.0000	777.2868	777.2868	0.1306	0.0164	785.4337

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	0.3878	0.7419	3.9392	8.5300e-003	0.2314	0.0135	0.2449	0.0641	0.0134	0.0774	0.0000	757.5230	757.5230	0.1286	0.0164	765.6195
Maximum	0.3878	0.7419	3.9392	8.5300e-003	0.2314	0.0135	0.2449	0.0641	0.0134	0.0774	0.0000	757.5230	757.5230	0.1286	0.0164	765.6195

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	35.33	74.34	-14.80	3.07	12.65	88.11	35.27	14.91	87.59	57.70	0.00	2.54	2.54	1.55	0.00	2.52

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	1.0202	0.2350
2	4-1-2024	6-30-2024	0.7118	0.2108
3	7-1-2024	9-30-2024	0.7592	0.2451
		Highest	1.0202	0.2451

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	0.1551	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003
Energy	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	64.1117	64.1117	5.1500e-003	1.2100e-003	64.6011
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	2.5800	0.0000	2.5800	0.1525	0.0000	6.3919
Water						0.0000	0.0000		0.0000	0.0000	0.1915	1.6338	1.8253	0.0199	5.0000e-004	2.4717
Total	0.1588	0.0337	0.0316	2.0000e-004	0.0000	2.5700e-003	2.5700e-003	0.0000	2.5700e-003	2.5700e-003	2.7716	65.7519	68.5235	0.1776	1.7100e-003	73.4716

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	0.0000
Total	0.0000

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/8/2024	5	20	
4	Building Construction	Building Construction	3/9/2024	12/27/2024	5	210	
5	Paving	Paving	3/1/2024	3/28/2024	5	20	
6	Architectural Coating	Architectural Coating	9/18/2024	12/31/2024	5	75	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,800; Non-Residential Outdoor: 15,600; Striped Parking Area: 7,872 (Architectural Coating – sqft)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Signal Boards	1	8.00	6	0.82
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	1	8.00	63	0.31
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Plate Compactors	1	8.00	8	0.43
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	1	8.00	212	0.43
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	1	8.00	367	0.48
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Generator Sets	1	8.00	84	0.74

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Trenchers	1	8.00	78	0.50
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Grading	Pressure Washers	1	8.00	13	0.30
Grading	Rollers	1	8.00	80	0.38
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pressure Washers	1	8.00	13	0.30
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	112.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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Site Preparation	10	25.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	117.00	46.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Alternative Fuel for Construction Equipment
- Use Cleaner Engines for Construction Equipment
- Water Exposed Area

3.2 Demolition - 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					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0368	0.3466	0.3122	6.7000e-004		0.0149	0.0149		0.0139	0.0139	0.0000	58.3709	58.3709	0.0146	0.0000	58.7369
Total	0.0368	0.3466	0.3122	6.7000e-004	0.0123	0.0149	0.0271	1.8600e-003	0.0139	0.0158	0.0000	58.3709	58.3709	0.0146	0.0000	58.7369

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	tons/yr										MT/yr					
Hauling	1.2000e-004	6.9400e-003	1.4700e-003	3.0000e-005	9.6000e-004	7.0000e-005	1.0300e-003	2.6000e-004	6.0000e-005	3.3000e-004	0.0000	3.0945	3.0945	1.0000e-005	4.9000e-004	3.2398
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	1.1400e-003	7.8000e-004	9.8700e-003	3.0000e-005	3.7300e-003	2.0000e-005	3.7500e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.9164	2.9164	7.0000e-005	7.0000e-005	2.9395
Total	1.2600e-003	7.7200e-003	0.0113	6.0000e-005	4.6900e-003	9.0000e-005	4.7800e-003	1.2500e-003	8.0000e-005	1.3400e-003	0.0000	6.0109	6.0109	8.0000e-005	5.6000e-004	6.1793

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					5.5200e-003	0.0000	5.5200e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0300e-003	0.0615	0.3629	6.7000e-004		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	58.3708	58.3708	0.0146	0.0000	58.7368
Total	9.0300e-003	0.0615	0.3629	6.7000e-004	5.5200e-003	1.2000e-003	6.7200e-003	8.4000e-004	1.2000e-003	2.0400e-003	0.0000	58.3708	58.3708	0.0146	0.0000	58.7368

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	tons/yr										MT/yr					
Hauling	1.2000e-004	6.9400e-003	1.4700e-003	3.0000e-005	9.6000e-004	7.0000e-005	1.0300e-003	2.6000e-004	6.0000e-005	3.3000e-004	0.0000	3.0945	3.0945	1.0000e-005	4.9000e-004	3.2398
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	1.1400e-003	7.8000e-004	9.8700e-003	3.0000e-005	3.7300e-003	2.0000e-005	3.7500e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.9164	2.9164	7.0000e-005	7.0000e-005	2.9395
Total	1.2600e-003	7.7200e-003	0.0113	6.0000e-005	4.6900e-003	9.0000e-005	4.7800e-003	1.2500e-003	8.0000e-005	1.3400e-003	0.0000	6.0109	6.0109	8.0000e-005	5.6000e-004	6.1793

3.3 Site Preparation - 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					0.0381	0.0000	0.0381	0.0174	0.0000	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1499	0.1220	2.7000e-004		6.7400e-003	6.7400e-003		6.2400e-003	6.2400e-003	0.0000	23.2776	23.2776	6.7300e-003	0.0000	23.4458
Total	0.0150	0.1499	0.1220	2.7000e-004	0.0381	6.7400e-003	0.0448	0.0174	6.2400e-003	0.0237	0.0000	23.2776	23.2776	6.7300e-003	0.0000	23.4458

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.3000e-004	4.1100e-003	1.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2152	1.2152	3.0000e-005	3.0000e-005	1.2248
Total	4.7000e-004	3.3000e-004	4.1100e-003	1.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2152	1.2152	3.0000e-005	3.0000e-005	1.2248

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					0.0171	0.0000	0.0171	7.8300e-003	0.0000	7.8300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3400e-003	0.0202	0.1515	2.7000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	23.2775	23.2775	6.7300e-003	0.0000	23.4458
Total	3.3400e-003	0.0202	0.1515	2.7000e-004	0.0171	4.2000e-004	0.0176	7.8300e-003	4.2000e-004	8.2500e-003	0.0000	23.2775	23.2775	6.7300e-003	0.0000	23.4458

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.3000e-004	4.1100e-003	1.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2152	1.2152	3.0000e-005	3.0000e-005	1.2248
Total	4.7000e-004	3.3000e-004	4.1100e-003	1.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2152	1.2152	3.0000e-005	3.0000e-005	1.2248

3.4 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					0.0106	0.0000	0.0106	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.1323	0.1504	2.8000e-004		5.8200e-003	5.8200e-003		5.4600e-003	5.4600e-003	0.0000	23.9448	23.9448	6.0000e-003	0.0000	24.0947
Total	0.0136	0.1323	0.1504	2.8000e-004	0.0106	5.8200e-003	0.0164	1.1500e-003	5.4600e-003	6.6100e-003	0.0000	23.9448	23.9448	6.0000e-003	0.0000	24.0947

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.2000e-004	6.5800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9443	1.9443	4.0000e-005	5.0000e-005	1.9597
Total	7.6000e-004	5.2000e-004	6.5800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9443	1.9443	4.0000e-005	5.0000e-005	1.9597

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					4.7700e-003	0.0000	4.7700e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0289	0.1741	2.8000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	23.9448	23.9448	6.0000e-003	0.0000	24.0947
Total	3.8300e-003	0.0289	0.1741	2.8000e-004	4.7700e-003	5.1000e-004	5.2800e-003	5.2000e-004	5.1000e-004	1.0300e-003	0.0000	23.9448	23.9448	6.0000e-003	0.0000	24.0947

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.2000e-004	6.5800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9443	1.9443	4.0000e-005	5.0000e-005	1.9597
Total	7.6000e-004	5.2000e-004	6.5800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9443	1.9443	4.0000e-005	5.0000e-005	1.9597

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2033	1.8190	2.0404	4.7200e-003		0.0744	0.0744		0.0709	0.0709	0.0000	405.3793	405.3793	0.0925	0.0000	407.6909
Total	0.2033	1.8190	2.0404	4.7200e-003		0.0744	0.0744		0.0709	0.0709	0.0000	405.3793	405.3793	0.0925	0.0000	407.6909

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	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	4.9900e-003	0.1988	0.0621	8.7000e-004	0.0290	1.2600e-003	0.0302	8.3700e-003	1.2100e-003	9.5800e-003	0.0000	83.7820	83.7820	3.6000e-004	0.0125	87.5265
Worker	0.0466	0.0321	0.4041	1.2800e-003	0.1527	7.4000e-004	0.1535	0.0406	6.8000e-004	0.0413	0.0000	119.4258	119.4258	2.6800e-003	2.9500e-003	120.3720
Total	0.0516	0.2309	0.4662	2.1500e-003	0.1817	2.0000e-003	0.1837	0.0490	1.8900e-003	0.0508	0.0000	203.2078	203.2078	3.0400e-003	0.0155	207.8985

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	0.0584	0.3455	2.4097	4.4600e-003		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	385.6157	385.6157	0.0905	0.0000	387.8769
Total	0.0584	0.3455	2.4097	4.4600e-003		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	385.6157	385.6157	0.0905	0.0000	387.8769

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 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	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	4.9900e-003	0.1988	0.0621	8.7000e-004	0.0290	1.2600e-003	0.0302	8.3700e-003	1.2100e-003	9.5800e-003	0.0000	83.7820	83.7820	3.6000e-004	0.0125	87.5265
Worker	0.0466	0.0321	0.4041	1.2800e-003	0.1527	7.4000e-004	0.1535	0.0406	6.8000e-004	0.0413	0.0000	119.4258	119.4258	2.6800e-003	2.9500e-003	120.3720
Total	0.0516	0.2309	0.4662	2.1500e-003	0.1817	2.0000e-003	0.1837	0.0490	1.8900e-003	0.0508	0.0000	203.2078	203.2078	3.0400e-003	0.0155	207.8985

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.1404	0.1916	3.5000e-004		6.4500e-003	6.4500e-003		6.1400e-003	6.1400e-003	0.0000	30.5493	30.5493	6.6000e-003	0.0000	30.7143
Paving	3.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0195	0.1404	0.1916	3.5000e-004		6.4500e-003	6.4500e-003		6.1400e-003	6.1400e-003	0.0000	30.5493	30.5493	6.6000e-003	0.0000	30.7143

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	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	8.7000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.8600e-003	1.0000e-005	2.8700e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	2.2359	2.2359	5.0000e-005	6.0000e-005	2.2536
Total	8.7000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.8600e-003	1.0000e-005	2.8700e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	2.2359	2.2359	5.0000e-005	6.0000e-005	2.2536

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	5.3600e-003	0.0370	0.2251	3.5000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	30.5493	30.5493	6.6000e-003	0.0000	30.7142
Paving	3.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.2200e-003	0.0370	0.2251	3.5000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	30.5493	30.5493	6.6000e-003	0.0000	30.7142

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 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	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	8.7000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.8600e-003	1.0000e-005	2.8700e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	2.2359	2.2359	5.0000e-005	6.0000e-005	2.2536
Total	8.7000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.8600e-003	1.0000e-005	2.8700e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	2.2359	2.2359	5.0000e-005	6.0000e-005	2.2536

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2443					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0400e-003	0.0609	0.0905	1.5000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	12.7663	12.7663	7.2000e-004	0.0000	12.7842
Total	0.2533	0.0609	0.0905	1.5000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	12.7663	12.7663	7.2000e-004	0.0000	12.7842

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 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	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	3.2700e-003	2.2500e-003	0.0284	9.0000e-005	0.0107	5.0000e-005	0.0108	2.8500e-003	5.0000e-005	2.9000e-003	0.0000	8.3846	8.3846	1.9000e-004	2.1000e-004	8.4510
Total	3.2700e-003	2.2500e-003	0.0284	9.0000e-005	0.0107	5.0000e-005	0.0108	2.8500e-003	5.0000e-005	2.9000e-003	0.0000	8.3846	8.3846	1.9000e-004	2.1000e-004	8.4510

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	0.2443					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.2000e-004	0.0000	12.7842
Total	0.2458	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.2000e-004	0.0000	12.7842

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3.7 Architectural Coating - 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	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	3.2700e-003	2.2500e-003	0.0284	9.0000e-005	0.0107	5.0000e-005	0.0108	2.8500e-003	5.0000e-005	2.9000e-003	0.0000	8.3846	8.3846	1.9000e-004	2.1000e-004	8.4510
Total	3.2700e-003	2.2500e-003	0.0284	9.0000e-005	0.0107	5.0000e-005	0.0108	2.8500e-003	5.0000e-005	2.9000e-003	0.0000	8.3846	8.3846	1.9000e-004	2.1000e-004	8.4510

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	0.0000	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
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
High School	0.00	0.00	0.00		
Parking Lot	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
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9
High School	14.70	6.60	6.60	77.80	17.20	5.00	75	19	6
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
City Park	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Health Club	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
High School	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395
Parking Lot	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395

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	27.4657	27.4657	4.4400e-003	5.4000e-004	27.7373
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	27.4657	27.4657	4.4400e-003	5.4000e-004	27.7373
NaturalGas Mitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6460	36.6460	7.0000e-004	6.7000e-004	36.8638
NaturalGas Unmitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6460	36.6460	7.0000e-004	6.7000e-004	36.8638

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	352728	1.9000e-003	0.0173	0.0145	1.0000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	18.8229	18.8229	3.6000e-004	3.5000e-004	18.9348
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	90666	4.9000e-004	4.4400e-003	3.7300e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8383	4.8383	9.0000e-005	9.0000e-005	4.8670
High School	243326	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9848	12.9848	2.5000e-004	2.4000e-004	13.0620
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6460	36.6460	7.0000e-004	6.8000e-004	36.8638

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Automobile Care Center	352728	1.9000e-003	0.0173	0.0145	1.0000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	18.8229	18.8229	3.6000e-004	3.5000e-004	18.9348
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	90666	4.9000e-004	4.4400e-003	3.7300e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8383	4.8383	9.0000e-005	9.0000e-005	4.8670
High School	243326	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9848	12.9848	2.5000e-004	2.4000e-004	13.0620
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6460	36.6460	7.0000e-004	6.8000e-004	36.8638

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	146714	13.5746	2.2000e-003	2.7000e-004	13.7088
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	37711.8	3.4892	5.6000e-004	7.0000e-005	3.5237
High School	66504	6.1532	1.0000e-003	1.2000e-004	6.2141
Parking Lot	45920	4.2487	6.9000e-004	8.0000e-005	4.2907
Total		27.4657	4.4500e-003	5.4000e-004	27.7373

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	146714	13.5746	2.2000e-003	2.7000e-004	13.7088
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	37711.8	3.4892	5.6000e-004	7.0000e-005	3.5237
High School	66504	6.1532	1.0000e-003	1.2000e-004	6.2141
Parking Lot	45920	4.2487	6.9000e-004	8.0000e-005	4.2907
Total		27.4657	4.4500e-003	5.4000e-004	27.7373

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 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	0.1551	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003
Unmitigated	0.1551	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-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	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003
Total	0.1551	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003
Total	0.1551	3.0000e-005	3.3200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4700e-003	6.4700e-003	2.0000e-005	0.0000	6.8900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.8253	0.0199	5.0000e-004	2.4717
Unmitigated	1.8253	0.0199	5.0000e-004	2.4717

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.019968 / 0	0.0163	6.5000e-004	2.0000e-005	0.0373
City Park	0 / 3.27657	1.0611	1.7000e-004	2.0000e-005	1.0716
Health Club	0.259047 / 0	0.2119	8.4600e-003	2.0000e-004	0.4836
High School	0.324741 / 0.835049	0.5360	0.0107	2.6000e-004	0.8793
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.8253	0.0199	5.0000e-004	2.4717

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.019968 / 0	0.0163	6.5000e-004	2.0000e-005	0.0373
City Park	0 / 3.27657	1.0611	1.7000e-004	2.0000e-005	1.0716
Health Club	0.259047 / 0	0.2119	8.4600e-003	2.0000e-004	0.4836
High School	0.324741 / 0.835049	0.5360	0.0107	2.6000e-004	0.8793
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.8253	0.0199	5.0000e-004	2.4717

8.0 Waste Detail

8.1 Mitigation Measures Waste

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.5800	0.1525	0.0000	6.3919
Unmitigated	2.5800	0.1525	0.0000	6.3919

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
High School	12.71	2.5800	0.1525	0.0000	6.3919
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.5800	0.1525	0.0000	6.3919

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
High School	12.71	2.5800	0.1525	0.0000	6.3919
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.5800	0.1525	0.0000	6.3919

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
	0	0	0	0	0.73	

Boilers

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	0.0000	0.0000	0.0000	0.0000

Chowchilla Sports Complex - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000