

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Annual

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

Green Valley 3 Apartments Project

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	102.00	Space	0.59	54,845.00	0
Other Asphalt Surfaces	2.41	Acre	2.41	104,979.60	0
City Park	1.47	Acre	1.47	64,033.20	0
Health Club	19.71	1000sqft	0.00	19,714.00	0
Apartments Mid Rise	185.00	Dwelling Unit	1.32	204,144.00	529

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			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 - Apartments mid rise includes the apartment building, health club includes the clubhouse, enclosed parking with elevator includes the parking garage, city park includes the landscape/pervious areas, and other asphalt surfaces includes impervious areas.

Construction Phase - Based on construction activities and schedule assumptions provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

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Off-road Equipment - Equipment list based on information provided by Project Applicant. Other construction equipment includes a blade.

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Trips and VMT - Assuming 150 worker trips per day (not per phase) and number of haul trips based on information provided by Project Applicant. Vendor trips are based on CalEEMod defaults.

Demolition - Approximately 770 tons of asphalt demolition.

Grading - Approximately 1,750 cubic yards of cut and 12,050 cubic yards of fill for a net 10,300 cubic yards of fill import.

Vehicle Trips - Trip rate is based on the trip generation prepared for the proposed project, which assumes the project would generate 840 average daily trips.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and use of Tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation - The project would have no hearth and paint would have reduced amounts of volatile organic compounds (low VOC).

Energy Mitigation - The project would install solar and LED lighting throughout and all appliances would be ENERGY STAR certified.

Water Mitigation - The project would install low-flow plumbing and water-efficient landscape.

Energy Use - Project would be all-electric.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	115.00
tblConstructionPhase	NumDays	230.00	391.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	86.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00

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tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialImported	0.00	10,300.00
tblLandUse	LandUseSquareFeet	40,800.00	54,845.00
tblLandUse	LandUseSquareFeet	19,710.00	19,714.00
tblLandUse	LandUseSquareFeet	185,000.00	204,144.00
tblLandUse	LotAcreage	0.92	0.59
tblLandUse	LotAcreage	0.45	0.00
tblLandUse	LotAcreage	4.87	1.32
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	132.00	130.00
tblOffRoadEquipment	HorsePower	212.00	110.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	80.00	101.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	10.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	236.00	100.00
tblTripsAndVMT	WorkerTripNumber	47.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1325	1.2034	1.1330	3.3600e-003	0.1820	0.0481	0.2300	0.0629	0.0450	0.1078	0.0000	304.3194	304.3194	0.0507	0.0143	309.8608
2024	1.0557	1.8065	1.9862	5.3800e-003	0.1739	0.0679	0.2418	0.0475	0.0644	0.1119	0.0000	486.7598	486.7598	0.0542	0.0250	495.5775
2025	0.7830	0.4708	0.6415	1.5100e-003	0.0523	0.0173	0.0696	0.0142	0.0164	0.0305	0.0000	136.1875	136.1875	0.0177	5.2700e-003	138.2009
Maximum	1.0557	1.8065	1.9862	5.3800e-003	0.1820	0.0679	0.2418	0.0629	0.0644	0.1119	0.0000	486.7598	486.7598	0.0542	0.0250	495.5775

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0924	1.9325	1.4379	3.3600e-003	0.1275	0.0550	0.1825	0.0407	0.0549	0.0956	0.0000	304.3192	304.3192	0.0507	0.0143	309.8606
2024	0.9987	2.7380	2.1970	5.3800e-003	0.1739	0.0906	0.2644	0.0475	0.0905	0.1379	0.0000	486.7596	486.7596	0.0542	0.0250	495.5772
2025	0.7731	0.8286	0.6945	1.5100e-003	0.0523	0.0294	0.0817	0.0142	0.0294	0.0435	0.0000	136.1874	136.1874	0.0177	5.2700e-003	138.2008
Maximum	0.9987	2.7380	2.1970	5.3800e-003	0.1739	0.0906	0.2644	0.0475	0.0905	0.1379	0.0000	486.7596	486.7596	0.0542	0.0250	495.5772

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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	5.43	-57.99	-15.12	0.00	13.33	-31.24	2.35	17.82	-38.93	-10.71	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-15-2023	9-14-2023	0.7338	1.2222
2	9-15-2023	12-14-2023	0.4959	0.6561
3	12-15-2023	3-14-2024	0.4716	0.6534
4	3-15-2024	6-14-2024	0.4665	0.6554
5	6-15-2024	9-14-2024	0.4653	0.6542
6	9-15-2024	12-14-2024	1.2443	1.5163
7	12-15-2024	3-14-2025	1.5329	1.9470
		Highest	1.5329	1.9470

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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	tons/yr										MT/yr					
Area	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	108.5609	108.5609	0.0176	2.1300e-003	109.6344
Mobile	0.3352	0.3720	3.1140	6.4600e-003	0.7150	4.7900e-003	0.7198	0.1910	4.4600e-003	0.1955	0.0000	611.1042	611.1042	0.0398	0.0292	620.8078
Waste						0.0000	0.0000		0.0000	0.0000	40.1070	0.0000	40.1070	2.3703	0.0000	99.3633
Water						0.0000	0.0000		0.0000	0.0000	4.1938	9.8775	14.0713	0.4324	0.0104	27.9686
Total	1.8459	0.3977	5.0752	7.7000e-003	0.7150	0.0964	0.8115	0.1910	0.0961	0.2871	52.7349	735.2529	787.9878	2.8756	0.0423	872.4761

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	104.0239	104.0239	0.0168	2.0400e-003	105.0525
Mobile	0.2989	0.3053	2.5649	4.9600e-003	0.5432	3.7800e-003	0.5470	0.1451	3.5200e-003	0.1487	0.0000	469.0020	469.0020	0.0341	0.0241	477.0292
Waste						0.0000	0.0000		0.0000	0.0000	40.1070	0.0000	40.1070	2.3703	0.0000	99.3633
Water						0.0000	0.0000		0.0000	0.0000	3.3551	8.3550	11.7101	0.3460	8.3000e-003	22.8324
Total	1.3827	0.3212	3.9384	5.0300e-003	0.5432	0.0114	0.5546	0.1451	0.0111	0.1563	43.4620	583.6270	627.0891	2.7693	0.0344	706.5774

	ROG	NOx	CO	SO2	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	25.09	19.24	22.40	34.68	24.02	88.18	31.65	24.02	88.41	45.58	17.58	20.62	20.42	3.70	18.57	19.01

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 and Site Preparation	Demolition	6/15/2023	7/14/2023	5	22	
2	Rough Grading	Grading	6/15/2023	7/14/2023	5	22	
3	Utility Trenching	Trenching	7/17/2023	8/15/2023	5	22	

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4	Paving	Paving	7/17/2023	8/15/2023	5	22
5	Fine Grading	Grading	8/15/2023	9/15/2023	5	24
6	Building Construction	Building Construction	9/15/2023	3/14/2025	5	391
7	Architectural Coating	Architectural Coating	10/7/2024	3/14/2025	5	115
8	Finishing/Landscaping	Site Preparation	11/15/2024	3/14/2025	5	86

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 33

Acres of Paving: 3

Residential Indoor: 413,392; Residential Outdoor: 137,797; Non-Residential Indoor: 29,571; Non-Residential Outdoor: 9,857; Striped Parking Area: 9,589 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition and Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition and Site Preparation	Excavators	1	8.00	271	0.38
Demolition and Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Demolition and Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Excavators	2	8.00	271	0.38
Rough Grading	Graders	2	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Utility Trenching	Excavators	2	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Crawler Tractors	1	8.00	110	0.43
Fine Grading	Excavators	0	8.00	158	0.38

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Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Other Construction Equipment	1	8.00	250	0.42
Fine Grading	Rollers	1	8.00	101	0.38
Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	4	50.00	0.00	76.00	10.80	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	7	50.00	0.00	1,288.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	100.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition and Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2400e-003	0.0000	8.2400e-003	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1416	0.1199	2.9000e-004		6.3800e-003	6.3800e-003		5.9800e-003	5.9800e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600
Total	0.0153	0.1416	0.1199	2.9000e-004	8.2400e-003	6.3800e-003	0.0146	1.2500e-003	5.9800e-003	7.2300e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600

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3.2 Demolition and Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.3800e-003	1.2500e-003	2.0000e-005	6.7000e-004	4.0000e-005	7.2000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	2.3766	2.3766	8.0000e-005	3.8000e-004	2.4908
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	1.4900e-003	6.3400e-003	0.0135	6.0000e-005	5.0200e-003	6.0000e-005	5.0900e-003	1.3500e-003	6.0000e-005	1.4100e-003	0.0000	5.7828	5.7828	1.8000e-004	4.7000e-004	5.9273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7100e-003	0.0000	3.7100e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9400e-003	0.2500	0.1700	2.9000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600
Total	8.9400e-003	0.2500	0.1700	2.9000e-004	3.7100e-003	6.9800e-003	0.0107	5.6000e-004	6.9800e-003	7.5400e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600

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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 and Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.3800e-003	1.2500e-003	2.0000e-005	6.7000e-004	4.0000e-005	7.2000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	2.3766	2.3766	8.0000e-005	3.8000e-004	2.4908
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	1.4900e-003	6.3400e-003	0.0135	6.0000e-005	5.0200e-003	6.0000e-005	5.0900e-003	1.3500e-003	6.0000e-005	1.4100e-003	0.0000	5.7828	5.7828	1.8000e-004	4.7000e-004	5.9273

3.3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0384	0.0000	0.0384	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2502	0.1625	5.0000e-004		9.7200e-003	9.7200e-003		8.9400e-003	8.9400e-003	0.0000	44.0948	44.0948	0.0143	0.0000	44.4513
Total	0.0242	0.2502	0.1625	5.0000e-004	0.0843	9.7200e-003	0.0940	0.0384	8.9400e-003	0.0473	0.0000	44.0948	44.0948	0.0143	0.0000	44.4513

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

3.3 Rough Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3400e-003	0.0873	0.0205	3.9000e-004	0.0109	7.1000e-004	0.0116	3.0000e-003	6.8000e-004	3.6700e-003	0.0000	38.4335	38.4335	1.2600e-003	6.0900e-003	40.2800
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	2.7500e-003	0.0883	0.0327	4.3000e-004	0.0152	7.3000e-004	0.0160	4.1600e-003	7.0000e-004	4.8500e-003	0.0000	41.8396	41.8396	1.3600e-003	6.1800e-003	43.7165

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					0.0380	0.0000	0.0380	0.0173	0.0000	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.4350	0.2826	5.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	44.0947	44.0947	0.0143	0.0000	44.4513
Total	0.0139	0.4350	0.2826	5.0000e-004	0.0380	0.0105	0.0484	0.0173	0.0105	0.0278	0.0000	44.0947	44.0947	0.0143	0.0000	44.4513

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

3.3 Rough Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3400e-003	0.0873	0.0205	3.9000e-004	0.0109	7.1000e-004	0.0116	3.0000e-003	6.8000e-004	3.6700e-003	0.0000	38.4335	38.4335	1.2600e-003	6.0900e-003	40.2800
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	2.7500e-003	0.0883	0.0327	4.3000e-004	0.0152	7.3000e-004	0.0160	4.1600e-003	7.0000e-004	4.8500e-003	0.0000	41.8396	41.8396	1.3600e-003	6.1800e-003	43.7165

3.4 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-003	0.0695	0.0911	2.6000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2383
Total	8.2000e-003	0.0695	0.0911	2.6000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2383

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

3.4 Utility Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-003	0.2320	0.1554	2.6000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2382
Total	8.0000e-003	0.2320	0.1554	2.6000e-004		6.1900e-003	6.1900e-003		6.1900e-003	6.1900e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2382

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

3.4 Utility Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5700e-003	0.0550	0.0786	1.2000e-004		2.7600e-003	2.7600e-003		2.5400e-003	2.5400e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676
Paving	3.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7300e-003	0.0550	0.0786	1.2000e-004		2.7600e-003	2.7600e-003		2.5400e-003	2.5400e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676

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

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

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	5.0200e-003	0.1084	0.0931	1.2000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676
Paving	3.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1800e-003	0.1084	0.0931	1.2000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676

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3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

3.6 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9100e-003	0.0721	0.0670	9.0000e-005		5.0700e-003	5.0700e-003		4.6700e-003	4.6700e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799
Total	7.9100e-003	0.0721	0.0670	9.0000e-005	6.3600e-003	5.0700e-003	0.0114	6.9000e-004	4.6700e-003	5.3600e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799

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3.6 Fine Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489
Total	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489

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					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1700e-003	0.0861	0.0671	9.0000e-005		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799
Total	4.1700e-003	0.0861	0.0671	9.0000e-005	2.8600e-003	3.4800e-003	6.3400e-003	3.1000e-004	3.4800e-003	3.7900e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799

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3.6 Fine Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489
Total	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0461	0.4084	0.4019	7.4000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	62.7867	62.7867	0.0128	0.0000	63.1060
Total	0.0461	0.4084	0.4019	7.4000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	62.7867	62.7867	0.0128	0.0000	63.1060

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

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1014	0.0317	4.6000e-004	0.0150	5.9000e-004	0.0156	4.3300e-003	5.7000e-004	4.8900e-003	0.0000	45.0062	45.0062	9.2000e-004	6.6600e-003	47.0132
Worker	9.7200e-003	6.6600e-003	0.0843	2.5000e-004	0.0300	1.5000e-004	0.0302	7.9900e-003	1.4000e-004	8.1300e-003	0.0000	23.5334	23.5334	6.8000e-004	6.5000e-004	23.7427
Total	0.0122	0.1080	0.1160	7.1000e-004	0.0450	7.4000e-004	0.0457	0.0123	7.1000e-004	0.0130	0.0000	68.5395	68.5395	1.6000e-003	7.3100e-003	70.7559

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	0.0271	0.6144	0.4577	7.4000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	62.7866	62.7866	0.0128	0.0000	63.1059
Total	0.0271	0.6144	0.4577	7.4000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	62.7866	62.7866	0.0128	0.0000	63.1059

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

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1014	0.0317	4.6000e-004	0.0150	5.9000e-004	0.0156	4.3300e-003	5.7000e-004	4.8900e-003	0.0000	45.0062	45.0062	9.2000e-004	6.6600e-003	47.0132
Worker	9.7200e-003	6.6600e-003	0.0843	2.5000e-004	0.0300	1.5000e-004	0.0302	7.9900e-003	1.4000e-004	8.1300e-003	0.0000	23.5334	23.5334	6.8000e-004	6.5000e-004	23.7427
Total	0.0122	0.1080	0.1160	7.1000e-004	0.0450	7.4000e-004	0.0457	0.0123	7.1000e-004	0.0130	0.0000	68.5395	68.5395	1.6000e-003	7.3100e-003	70.7559

3.7 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	0.1478	1.3106	1.3731	2.5400e-003		0.0595	0.0595		0.0564	0.0564	0.0000	216.4475	216.4475	0.0436	0.0000	217.5374
Total	0.1478	1.3106	1.3731	2.5400e-003		0.0595	0.0595		0.0564	0.0564	0.0000	216.4475	216.4475	0.0436	0.0000	217.5374

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

3.7 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	8.1400e-003	0.3496	0.1070	1.5700e-003	0.0516	2.0600e-003	0.0536	0.0149	1.9700e-003	0.0169	0.0000	152.7352	152.7352	3.1500e-003	0.0226	159.5458
Worker	0.0314	0.0205	0.2714	8.5000e-004	0.1035	5.1000e-004	0.1040	0.0275	4.7000e-004	0.0280	0.0000	79.1272	79.1272	2.1200e-003	2.0700e-003	79.7982
Total	0.0395	0.3701	0.3784	2.4200e-003	0.1551	2.5700e-003	0.1577	0.0425	2.4400e-003	0.0449	0.0000	231.8623	231.8623	5.2700e-003	0.0247	239.3440

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	0.0935	2.1181	1.5777	2.5400e-003		0.0780	0.0780		0.0780	0.0780	0.0000	216.4472	216.4472	0.0436	0.0000	217.5371
Total	0.0935	2.1181	1.5777	2.5400e-003		0.0780	0.0780		0.0780	0.0780	0.0000	216.4472	216.4472	0.0436	0.0000	217.5371

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

3.7 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	8.1400e-003	0.3496	0.1070	1.5700e-003	0.0516	2.0600e-003	0.0536	0.0149	1.9700e-003	0.0169	0.0000	152.7352	152.7352	3.1500e-003	0.0226	159.5458
Worker	0.0314	0.0205	0.2714	8.5000e-004	0.1035	5.1000e-004	0.1040	0.0275	4.7000e-004	0.0280	0.0000	79.1272	79.1272	2.1200e-003	2.0700e-003	79.7982
Total	0.0395	0.3701	0.3784	2.4200e-003	0.1551	2.5700e-003	0.1577	0.0425	2.4400e-003	0.0449	0.0000	231.8623	231.8623	5.2700e-003	0.0247	239.3440

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2463	0.2759	5.1000e-004		0.0106	0.0106		0.0100	0.0100	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039
Total	0.0279	0.2463	0.2759	5.1000e-004		0.0106	0.0106		0.0100	0.0100	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039

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

3.7 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-003	0.0705	0.0213	3.1000e-004	0.0104	4.2000e-004	0.0109	3.0200e-003	4.0000e-004	3.4200e-003	0.0000	30.3473	30.3473	6.3000e-004	4.4900e-003	31.7001
Worker	5.9700e-003	3.7300e-003	0.0516	1.7000e-004	0.0209	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.6242	15.6242	3.9000e-004	3.9000e-004	15.7511
Total	7.5700e-003	0.0742	0.0728	4.8000e-004	0.0314	5.2000e-004	0.0319	8.5900e-003	4.9000e-004	9.0800e-003	0.0000	45.9715	45.9715	1.0200e-003	4.8800e-003	47.4513

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	0.0189	0.4285	0.3192	5.1000e-004		0.0158	0.0158		0.0158	0.0158	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039
Total	0.0189	0.4285	0.3192	5.1000e-004		0.0158	0.0158		0.0158	0.0158	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039

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

3.7 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-003	0.0705	0.0213	3.1000e-004	0.0104	4.2000e-004	0.0109	3.0200e-003	4.0000e-004	3.4200e-003	0.0000	30.3473	30.3473	6.3000e-004	4.4900e-003	31.7001
Worker	5.9700e-003	3.7300e-003	0.0516	1.7000e-004	0.0209	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.6242	15.6242	3.9000e-004	3.9000e-004	15.7511
Total	7.5700e-003	0.0742	0.0728	4.8000e-004	0.0314	5.2000e-004	0.0319	8.5900e-003	4.9000e-004	9.0800e-003	0.0000	45.9715	45.9715	1.0200e-003	4.8800e-003	47.4513

3.8 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	0.8482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0504	0.0748	1.2000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	10.5535	10.5535	5.9000e-004	0.0000	10.5683
Total	0.8556	0.0504	0.0748	1.2000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	10.5535	10.5535	5.9000e-004	0.0000	10.5683

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

3.8 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	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418
Total	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418

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	0.8482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7100e-003	0.0972	0.0757	1.2000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003	0.0000	10.5534	10.5534	5.9000e-004	0.0000	10.5683
Total	0.8529	0.0972	0.0757	1.2000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003	0.0000	10.5534	10.5534	5.9000e-004	0.0000	10.5683

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3.8 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	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418
Total	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418

3.8 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0400e-003	0.0405	0.0639	1.0000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338
Total	0.7311	0.0405	0.0639	1.0000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338

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

3.8 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

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	0.7250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0200e-003	0.0831	0.0648	1.0000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338
Total	0.7291	0.0831	0.0648	1.0000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338

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3.8 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

3.9 Finishing/Landscaping - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1200e-003	0.0717	0.1107	1.5000e-004		3.2900e-003	3.2900e-003		3.0300e-003	3.0300e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606
Total	7.1200e-003	0.0717	0.1107	1.5000e-004	0.0000	3.2900e-003	3.2900e-003	0.0000	3.0300e-003	3.0300e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Annual

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

3.9 Finishing/Landscaping - 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	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255
Total	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2100e-003	0.1488	0.1159	1.5000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606
Total	7.2100e-003	0.1488	0.1159	1.5000e-004	0.0000	6.0200e-003	6.0200e-003	0.0000	6.0200e-003	6.0200e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606

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

3.9 Finishing/Landscaping - 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	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255
Total	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255

3.9 Finishing/Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1061	0.1773	2.5000e-004		4.3000e-003	4.3000e-003		3.9600e-003	3.9600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9608
Total	0.0105	0.1061	0.1773	2.5000e-004	0.0000	4.3000e-003	4.3000e-003	0.0000	3.9600e-003	3.9600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9608

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

3.9 Finishing/Landscaping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.2390	0.1862	2.5000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9607
Total	0.0116	0.2390	0.1862	2.5000e-004	0.0000	9.6600e-003	9.6600e-003	0.0000	9.6600e-003	9.6600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9607

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

3.9 Finishing/Landscaping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	0.2989	0.3053	2.5649	4.9600e-003	0.5432	3.7800e-003	0.5470	0.1451	3.5200e-003	0.1487	0.0000	469.0020	469.0020	0.0341	0.0241	477.0292
Unmitigated	0.3352	0.3720	3.1140	6.4600e-003	0.7150	4.7900e-003	0.7198	0.1910	4.4600e-003	0.1955	0.0000	611.1042	611.1042	0.0398	0.0292	620.8078

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	839.90	839.90	839.90	1,939,839	1,473,808
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	839.90	839.90	839.90	1,939,839	1,473,808

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Annual

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			
Apartments Mid Rise	715290	66.1813	0.0107	1.3000e-003	66.8357
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	298357	27.6051	4.4700e-003	5.4000e-004	27.8781
Health Club	159683	14.7745	2.3900e-003	2.9000e-004	14.9206
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		108.5609	0.0176	2.1300e-003	109.6344

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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			
Apartments Mid Rise	681932	63.0949	0.0102	1.2400e-003	63.7188
City Park	-2	-0.0002	0.0000	0.0000	-0.0002
Enclosed Parking with Elevator	288757	26.7169	4.3200e-003	5.2000e-004	26.9811
Health Club	153609	14.2125	2.3000e-003	2.8000e-004	14.3531
Other Asphalt Surfaces	-2	-0.0002	0.0000	0.0000	-0.0002
Total		104.0239	0.0168	2.0400e-003	105.0525

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

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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	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Unmitigated	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020

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	0.1573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4269	9.8200e-003	0.5878	1.1700e-003		0.0840	0.0840		0.0840	0.0840	8.4341	3.4643	11.8984	0.0136	5.5000e-004	12.4021
Landscaping	0.0413	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Total	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020

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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	0.1573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0413	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Total	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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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	11.7101	0.3460	8.3000e-003	22.8324
Unmitigated	14.0713	0.4324	0.0104	27.9686

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.0535 / 7.59894	12.3193	0.3941	9.4400e-003	24.9861
City Park	0 / 1.75148	0.5672	9.0000e-005	1.0000e-005	0.5728
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	1.16571 / 0.714468	1.1848	0.0381	9.1000e-004	2.4098
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		14.0713	0.4324	0.0104	27.9686

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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			
Apartments Mid Rise	9.6428 / 7.13541	10.1975	0.3154	7.5600e-003	20.3343
City Park	0 / 1.64464	0.5326	9.0000e-005	1.0000e-005	0.5379
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.932569 / 0.670886	0.9800	0.0305	7.3000e-004	1.9603
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.7101	0.3460	8.3000e-003	22.8324

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.1070	2.3703	0.0000	99.3633
Unmitigated	40.1070	2.3703	0.0000	99.3633

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	85.1	17.2745	1.0209	0.0000	42.7969
City Park	0.13	0.0264	1.5600e-003	0.0000	0.0654
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	112.35	22.8060	1.3478	0.0000	56.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		40.1070	2.3703	0.0000	99.3633

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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			
Apartments Mid Rise	85.1	17.2745	1.0209	0.0000	42.7969
City Park	0.13	0.0264	1.5600e-003	0.0000	0.0654
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	112.35	22.8060	1.3478	0.0000	56.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		40.1070	2.3703	0.0000	99.3633

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

Green Valley 3 Apartments Project

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	102.00	Space	0.59	54,845.00	0
Other Asphalt Surfaces	2.41	Acre	2.41	104,979.60	0
City Park	1.47	Acre	1.47	64,033.20	0
Health Club	19.71	1000sqft	0.00	19,714.00	0
Apartments Mid Rise	185.00	Dwelling Unit	1.32	204,144.00	529

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			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 - Apartments mid rise includes the apartment building, health club includes the clubhouse, enclosed parking with elevator includes the parking garage, city park includes the landscape/pervious areas, and other asphalt surfaces includes impervious areas.

Construction Phase - Based on construction activities and schedule assumptions provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant. Other construction equipment includes a blade.

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Trips and VMT - Assuming 150 worker trips per day (not per phase) and number of haul trips based on information provided by Project Applicant. Vendor trips are based on CalEEMod defaults.

Demolition - Approximately 770 tons of asphalt demolition.

Grading - Approximately 1,750 cubic yards of cut and 12,050 cubic yards of fill for a net 10,300 cubic yards of fill import.

Vehicle Trips - Trip rate is based on the trip generation prepared for the proposed project, which assumes the project would generate 840 average daily trips.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and use of Tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation - The project would have no hearth and paint would have reduced amounts of volatile organic compounds (low VOC).

Energy Mitigation - The project would install solar and LED lighting throughout and all appliances would be ENERGY STAR certified.

Water Mitigation - The project would install low-flow plumbing and water-efficient landscape.

Energy Use - Project would be all-electric.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	115.00
tblConstructionPhase	NumDays	230.00	391.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	86.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialImported	0.00	10,300.00
tblLandUse	LandUseSquareFeet	40,800.00	54,845.00
tblLandUse	LandUseSquareFeet	19,710.00	19,714.00
tblLandUse	LandUseSquareFeet	185,000.00	204,144.00
tblLandUse	LotAcreage	0.92	0.59
tblLandUse	LotAcreage	0.45	0.00
tblLandUse	LotAcreage	4.87	1.32
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	132.00	130.00
tblOffRoadEquipment	HorsePower	212.00	110.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	80.00	101.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	10.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	236.00	100.00
tblTripsAndVMT	WorkerTripNumber	47.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.9921	43.8951	30.0369	0.1170	10.3236	1.5359	11.8595	4.1194	1.4258	5.5451	0.0000	11,810.24 34	11,810.24 34	2.2525	0.6651	12,064.74 51
2024	29.7293	18.8263	24.8624	0.0584	2.0493	0.7580	2.8073	0.5528	0.7171	1.2699	0.0000	5,807.819 7	5,807.819 7	0.7406	0.2221	5,892.516 7
2025	29.5733	17.6401	24.4787	0.0578	2.0494	0.6536	2.7029	0.5528	0.6183	1.1711	0.0000	5,751.701 6	5,751.701 6	0.7333	0.2166	5,834.587 3
Maximum	29.7293	43.8951	30.0369	0.1170	10.3236	1.5359	11.8595	4.1194	1.4258	5.5451	0.0000	11,810.24 34	11,810.24 34	2.2525	0.6651	12,064.74 51

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.4766	70.5498	45.5058	0.1170	5.6955	1.6612	7.3568	2.1375	1.6580	3.7954	0.0000	11,810.24 34	11,810.24 34	2.2525	0.6651	12,064.74 51
2024	29.2305	31.1774	26.7731	0.0584	2.0493	1.1101	3.1595	0.5528	1.1088	1.6616	0.0000	5,807.819 7	5,807.819 7	0.7406	0.2221	5,892.516 7
2025	29.1983	31.1403	26.4790	0.0578	2.0494	1.1098	3.1591	0.5528	1.1085	1.6613	0.0000	5,751.701 6	5,751.701 6	0.7333	0.2166	5,834.587 3
Maximum	29.2305	70.5498	45.5058	0.1170	5.6955	1.6612	7.3568	2.1375	1.6580	3.7954	0.0000	11,810.24 34	11,810.24 34	2.2525	0.6651	12,064.74 51

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	3.78	-65.34	-24.41	0.00	32.09	-31.68	21.27	37.93	-40.35	10.87	0.00	0.00	0.00	0.00	0.00	0.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0540	1.8811	17.0050	0.0374	4.0831	0.0263	4.1094	1.0875	0.0245	1.1121		3,900.4611	3,900.4611	0.2251	0.1681	3,956.1733
Total	84.3086	3.7388	132.7869	0.2319	4.0831	14.3814	18.4645	1.0875	14.3796	15.4671	1,548.6066	4,613.5590	6,162.1655	2.3707	0.2775	6,304.1362

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	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.8585	1.5432	13.7868	0.0287	3.1022	0.0208	3.1229	0.8263	0.0193	0.8456		2,991.4948	2,991.4948	0.1908	0.1381	3,037.4280
Total	8.0300	1.7190	29.0478	0.0295	3.1022	0.1054	3.2076	0.8263	0.1040	0.9302	0.0000	3,019.0045	3,019.0045	0.2172	0.1381	3,065.5974

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	90.48	54.02	78.12	87.28	24.02	99.27	82.63	24.02	99.28	93.99	100.00	34.56	51.01	90.84	50.23	51.37

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 and Site Preparation	Demolition	6/15/2023	7/14/2023	5	22	
2	Rough Grading	Grading	6/15/2023	7/14/2023	5	22	
3	Utility Trenching	Trenching	7/17/2023	8/15/2023	5	22	
4	Paving	Paving	7/17/2023	8/15/2023	5	22	
5	Fine Grading	Grading	8/15/2023	9/15/2023	5	24	
6	Building Construction	Building Construction	9/15/2023	3/14/2025	5	391	
7	Architectural Coating	Architectural Coating	10/7/2024	3/14/2025	5	115	
8	Finishing/Landscaping	Site Preparation	11/15/2024	3/14/2025	5	86	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 33

Acres of Paving: 3

Residential Indoor: 413,392; Residential Outdoor: 137,797; Non-Residential Indoor: 29,571; Non-Residential Outdoor: 9,857; Striped Parking Area: 9,589 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition and Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition and Site Preparation	Excavators	1	8.00	271	0.38
Demolition and Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Excavators	2	8.00	271	0.38
Rough Grading	Graders	2	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Utility Trenching	Excavators	2	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Crawler Tractors	1	8.00	110	0.43
Fine Grading	Excavators	0	8.00	158	0.38
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Other Construction Equipment	1	8.00	250	0.42
Fine Grading	Rollers	1	8.00	101	0.38
Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

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 and Site Preparation	4	50.00	0.00	76.00	10.80	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	7	50.00	0.00	1,288.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	100.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition and Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7490	0.0000	0.7490	0.1134	0.0000	0.1134			0.0000			0.0000
Off-Road	1.3913	12.8692	10.9038	0.0267		0.5799	0.5799		0.5438	0.5438		2,574.682 1	2,574.682 1	0.6702		2,591.437 7
Total	1.3913	12.8692	10.9038	0.0267	0.7490	0.5799	1.3288	0.1134	0.5438	0.6572		2,574.682 1	2,574.682 1	0.6702		2,591.437 7

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition and Site Preparation - 2023****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.5900e-003	0.4710	0.1127	2.1800e-003	0.0634	3.9700e-003	0.0674	0.0174	3.8000e-003	0.0212		238.0720	238.0720	7.8500e-003	0.0377	249.5103
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	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.1428	0.5487	1.3080	5.7400e-003	0.4742	6.0100e-003	0.4802	0.1263	5.6800e-003	0.1320		602.4945	602.4945	0.0170	0.0464	616.7389

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					0.3370	0.0000	0.3370	0.0510	0.0000	0.0510			0.0000			0.0000
Off-Road	0.8125	22.7293	15.4536	0.0267		0.6349	0.6349		0.6349	0.6349	0.0000	2,574.6821	2,574.6821	0.6702		2,591.4377
Total	0.8125	22.7293	15.4536	0.0267	0.3370	0.6349	0.9720	0.0510	0.6349	0.6860	0.0000	2,574.6821	2,574.6821	0.6702		2,591.4377

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.2 Demolition and Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.5900e-003	0.4710	0.1127	2.1800e-003	0.0634	3.9700e-003	0.0674	0.0174	3.8000e-003	0.0212		238.0720	238.0720	7.8500e-003	0.0377	249.5103
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	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.1428	0.5487	1.3080	5.7400e-003	0.4742	6.0100e-003	0.4802	0.1263	5.6800e-003	0.1320		602.4945	602.4945	0.0170	0.0464	616.7389

3.3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6658	0.0000	7.6658	3.4900	0.0000	3.4900			0.0000			0.0000
Off-Road	2.1974	22.7488	14.7717	0.0456		0.8838	0.8838		0.8131	0.8131		4,418.7424	4,418.7424	1.4291		4,454.4702
Total	2.1974	22.7488	14.7717	0.0456	7.6658	0.8838	8.5496	3.4900	0.8131	4.3031		4,418.7424	4,418.7424	1.4291		4,454.4702

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Rough Grading - 2023****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1253	7.6507	1.8581	0.0353	1.0240	0.0642	1.0882	0.2807	0.0614	0.3421		3,849.9019	3,849.9019	0.1269	0.6101	4,034.8696
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	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.2606	7.7283	3.0534	0.0389	1.4347	0.0662	1.5009	0.3896	0.0633	0.4529		4,214.3244	4,214.3244	0.1361	0.6187	4,402.0982

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					3.4496	0.0000	3.4496	1.5705	0.0000	1.5705			0.0000			0.0000
Off-Road	1.2607	39.5434	25.6908	0.0456		0.9541	0.9541		0.9541	0.9541	0.0000	4,418.7424	4,418.7424	1.4291		4,454.4702
Total	1.2607	39.5434	25.6908	0.0456	3.4496	0.9541	4.4037	1.5705	0.9541	2.5246	0.0000	4,418.7424	4,418.7424	1.4291		4,454.4702

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.3 Rough Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1253	7.6507	1.8581	0.0353	1.0240	0.0642	1.0882	0.2807	0.0614	0.3421		3,849.9019	3,849.9019	0.1269	0.6101	4,034.8696
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	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.2606	7.7283	3.0534	0.0389	1.4347	0.0662	1.5009	0.3896	0.0633	0.4529		4,214.3244	4,214.3244	0.1361	0.6187	4,402.0982

3.4 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7458	6.3156	8.2801	0.0239		0.2614	0.2614		0.2405	0.2405		2,310.0314	2,310.0314	0.7471		2,328.7092
Total	0.7458	6.3156	8.2801	0.0239		0.2614	0.2614		0.2405	0.2405		2,310.0314	2,310.0314	0.7471		2,328.7092

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.4 Utility Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429
Total	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429

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	0.7271	21.0883	14.1287	0.0239		0.5627	0.5627		0.5627	0.5627	0.0000	2,310.0314	2,310.0314	0.7471		2,328.7092
Total	0.7271	21.0883	14.1287	0.0239		0.5627	0.5627		0.5627	0.5627	0.0000	2,310.0314	2,310.0314	0.7471		2,328.7092

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.4 Utility Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429
Total	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5064	4.9991	7.1425	0.0112		0.2505	0.2505		0.2305	0.2305		1,080.3069	1,080.3069	0.3494		1,089.0418
Paving	0.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7934	4.9991	7.1425	0.0112		0.2505	0.2505		0.2305	0.2305		1,080.3069	1,080.3069	0.3494		1,089.0418

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429
Total	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429

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	0.4561	9.8499	8.4638	0.0112		0.3271	0.3271		0.3271	0.3271	0.0000	1,080.3069	1,080.3069	0.3494		1,089.0418
Paving	0.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7431	9.8499	8.4638	0.0112		0.3271	0.3271		0.3271	0.3271	0.0000	1,080.3069	1,080.3069	0.3494		1,089.0418

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429
Total	0.2029	0.1165	1.7929	5.3400e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		546.6337	546.6337	0.0138	0.0130	550.8429

3.6 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6595	6.0054	5.5831	7.4100e-003		0.4229	0.4229		0.3890	0.3890		718.0354	718.0354	0.2322		723.8411
Total	0.6595	6.0054	5.5831	7.4100e-003	0.5303	0.4229	0.9531	0.0573	0.3890	0.4463		718.0354	718.0354	0.2322		723.8411

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.6 Fine Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.3476	7.1779	5.5912	7.4100e-003		0.2901	0.2901		0.2901	0.2901	0.0000	718.0354	718.0354	0.2322		723.8411
Total	0.3476	7.1779	5.5912	7.4100e-003	0.2386	0.2901	0.5288	0.0258	0.2901	0.3159	0.0000	718.0354	718.0354	0.2322		723.8411

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.6 Fine Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286
Total	0.1353	0.0777	1.1953	3.5600e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		364.4225	364.4225	9.1900e-003	8.6500e-003	367.2286

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2118	10.7481	10.5764	0.0194		0.5172	0.5172		0.4905	0.4905		1,821.3284	1,821.3284	0.3705		1,830.5907
Total	1.2118	10.7481	10.5764	0.0194		0.5172	0.5172		0.4905	0.4905		1,821.3284	1,821.3284	0.3705		1,830.5907

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0653	2.5735	0.8218	0.0122	0.4064	0.0156	0.4219	0.1170	0.0149	0.1319		1,304.766 1	1,304.766 1	0.0267	0.1929	1,362.913 6
Worker	0.2705	0.1554	2.3905	7.1200e-003	0.8215	4.0700e-003	0.8256	0.2179	3.7500e-003	0.2216		728.8449	728.8449	0.0184	0.0173	734.4572
Total	0.3358	2.7288	3.2124	0.0193	1.2278	0.0197	1.2475	0.3349	0.0187	0.3535		2,033.611 1	2,033.611 1	0.0451	0.2102	2,097.370 8

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.328 4	1,821.328 4	0.3705		1,830.590 7
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.328 4	1,821.328 4	0.3705		1,830.590 7

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0653	2.5735	0.8218	0.0122	0.4064	0.0156	0.4219	0.1170	0.0149	0.1319		1,304.766 1	1,304.766 1	0.0267	0.1929	1,362.913 6
Worker	0.2705	0.1554	2.3905	7.1200e-003	0.8215	4.0700e-003	0.8256	0.2179	3.7500e-003	0.2216		728.8449	728.8449	0.0184	0.0173	734.4572
Total	0.3358	2.7288	3.2124	0.0193	1.2278	0.0197	1.2475	0.3349	0.0187	0.3535		2,033.611 1	2,033.611 1	0.0451	0.2102	2,097.370 8

3.7 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	1.1281	10.0043	10.4818	0.0194		0.4539	0.4539		0.4303	0.4303		1,821.316 7	1,821.316 7	0.3668		1,830.487 6
Total	1.1281	10.0043	10.4818	0.0194		0.4539	0.4539		0.4303	0.4303		1,821.316 7	1,821.316 7	0.3668		1,830.487 6

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 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	0.0634	2.5747	0.8043	0.0120	0.4064	0.0157	0.4221	0.1170	0.0150	0.1320		1,284.416 4	1,284.416 4	0.0266	0.1899	1,341.656 7
Worker	0.2527	0.1387	2.2280	6.8900e-003	0.8215	3.8800e-003	0.8254	0.2179	3.5700e-003	0.2215		710.7611	710.7611	0.0166	0.0161	715.9800
Total	0.3161	2.7134	3.0323	0.0189	1.2279	0.0196	1.2475	0.3349	0.0186	0.3535		1,995.177 5	1,995.177 5	0.0432	0.2060	2,057.636 7

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.316 7	1,821.316 7	0.3668		1,830.487 6
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.316 7	1,821.316 7	0.3668		1,830.487 6

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 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	0.0634	2.5747	0.8043	0.0120	0.4064	0.0157	0.4221	0.1170	0.0150	0.1320		1,284.416 4	1,284.416 4	0.0266	0.1899	1,341.656 7
Worker	0.2527	0.1387	2.2280	6.8900e-003	0.8215	3.8800e-003	0.8254	0.2179	3.5700e-003	0.2215		710.7611	710.7611	0.0166	0.0161	715.9800
Total	0.3161	2.7134	3.0323	0.0189	1.2279	0.0196	1.2475	0.3349	0.0186	0.3535		1,995.177 5	1,995.177 5	0.0432	0.2060	2,057.636 7

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0529	9.2925	10.4113	0.0194		0.3995	0.3995		0.3784	0.3784		1,821.335 2	1,821.335 2	0.3632		1,830.415 0
Total	1.0529	9.2925	10.4113	0.0194		0.3995	0.3995		0.3784	0.3784		1,821.335 2	1,821.335 2	0.3632		1,830.415 0

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 Building Construction - 2025

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	0.0619	2.5650	0.7901	0.0118	0.4064	0.0157	0.4221	0.1170	0.0150	0.1320		1,261.5580	1,261.5580	0.0264	0.1864	1,317.7650
Worker	0.2373	0.1250	2.0881	6.6600e-003	0.8215	3.7100e-003	0.8252	0.2179	3.4200e-003	0.2213		693.6884	693.6884	0.0151	0.0151	698.5686
Total	0.2992	2.6900	2.8781	0.0184	1.2279	0.0194	1.2473	0.3349	0.0184	0.3533		1,955.2464	1,955.2464	0.0415	0.2015	2,016.3335

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3352	1,821.3352	0.3632		1,830.4150
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3352	1,821.3352	0.3632		1,830.4150

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.7 Building Construction - 2025

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	0.0619	2.5650	0.7901	0.0118	0.4064	0.0157	0.4221	0.1170	0.0150	0.1320		1,261.5580	1,261.5580	0.0264	0.1864	1,317.7650
Worker	0.2373	0.1250	2.0881	6.6600e-003	0.8215	3.7100e-003	0.8252	0.2179	3.4200e-003	0.2213		693.6884	693.6884	0.0151	0.0151	698.5686
Total	0.2992	2.6900	2.8781	0.0184	1.2279	0.0194	1.2473	0.3349	0.0184	0.3533		1,955.2464	1,955.2464	0.0415	0.2015	2,016.3335

3.8 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	27.3597					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	27.6007	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.8 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	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900
Total	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900

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	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1519	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	27.5116	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.8 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	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900
Total	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900

3.8 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	27.5875	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.8 Architectural Coating - 2025

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	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843
Total	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843

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	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1519	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0205		375.7758
Total	27.5116	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0205		375.7758

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.8 Architectural Coating - 2025

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	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843
Total	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843

3.9 Finishing/Landscaping - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4318	4.3448	6.7068	9.3500e-003		0.1994	0.1994		0.1834	0.1834		905.3002	905.3002	0.2928		912.6200
Total	0.4318	4.3448	6.7068	9.3500e-003	0.0000	0.1994	0.1994	0.0000	0.1834	0.1834		905.3002	905.3002	0.2928		912.6200

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.9 Finishing/Landscaping - 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	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900
Total	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4368	9.0201	7.0262	9.3500e-003		0.3646	0.3646		0.3646	0.3646	0.0000	905.3002	905.3002	0.2928		912.6200
Total	0.4368	9.0201	7.0262	9.3500e-003	0.0000	0.3646	0.3646	0.0000	0.3646	0.3646	0.0000	905.3002	905.3002	0.2928		912.6200

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.9 Finishing/Landscaping - 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	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900
Total	0.1263	0.0694	1.1140	3.4400e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		355.3806	355.3806	8.3100e-003	8.0600e-003	357.9900

3.9 Finishing/Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3964	4.0053	6.6890	9.3600e-003		0.1623	0.1623		0.1493	0.1493		906.1676	906.1676	0.2931		913.4944
Total	0.3964	4.0053	6.6890	9.3600e-003	0.0000	0.1623	0.1623	0.0000	0.1493	0.1493		906.1676	906.1676	0.2931		913.4944

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.9 Finishing/Landscaping - 2025

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	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843
Total	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4368	9.0201	7.0262	9.3600e-003		0.3646	0.3646		0.3646	0.3646	0.0000	906.1676	906.1676	0.2931		913.4944
Total	0.4368	9.0201	7.0262	9.3600e-003	0.0000	0.3646	0.3646	0.0000	0.3646	0.3646	0.0000	906.1676	906.1676	0.2931		913.4944

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Summer

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

3.9 Finishing/Landscaping - 2025

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	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843
Total	0.1187	0.0625	1.0441	3.3300e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		346.8442	346.8442	7.5400e-003	7.5600e-003	349.2843

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	1.8585	1.5432	13.7868	0.0287	3.1022	0.0208	3.1229	0.8263	0.0193	0.8456		2,991.4948	2,991.4948	0.1908	0.1381	3,037.4280
Unmitigated	2.0540	1.8811	17.0050	0.0374	4.0831	0.0263	4.1094	1.0875	0.0245	1.1121		3,900.4611	3,900.4611	0.2251	0.1681	3,956.1733

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	839.90	839.90	839.90	1,939,839	1,473,808
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	839.90	839.90	839.90	1,939,839	1,473,808

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
City Park	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking with Elevator	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Health Club	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Other Asphalt Surfaces	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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 s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	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
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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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					
Apartments Mid Rise	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
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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694
Unmitigated	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629

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	0.8620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.8505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	76.0831	1.6820	100.5208	0.1937		14.2704	14.2704		14.2704	14.2704	1,548.6066	685.5882	2,234.1948	2.1192	0.1095	2,319.7935
Landscaping	0.4590	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847		27.5097	27.5097	0.0264		28.1694
Total	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	0.8620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.8505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4590	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847		27.5097	27.5097	0.0264		28.1694
Total	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

Green Valley 3 Apartments Project

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	102.00	Space	0.59	54,845.00	0
Other Asphalt Surfaces	2.41	Acre	2.41	104,979.60	0
City Park	1.47	Acre	1.47	64,033.20	0
Health Club	19.71	1000sqft	0.00	19,714.00	0
Apartments Mid Rise	185.00	Dwelling Unit	1.32	204,144.00	529

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			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 - Apartments mid rise includes the apartment building, health club includes the clubhouse, enclosed parking with elevator includes the parking garage, city park includes the landscape/pervious areas, and other asphalt surfaces includes impervious areas.

Construction Phase - Based on construction activities and schedule assumptions provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant. Other construction equipment includes a blade.

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Trips and VMT - Assuming 150 worker trips per day (not per phase) and number of haul trips based on information provided by Project Applicant. Vendor trips are based on CalEEMod defaults.

Demolition - Approximately 770 tons of asphalt demolition.

Grading - Approximately 1,750 cubic yards of cut and 12,050 cubic yards of fill for a net 10,300 cubic yards of fill import.

Vehicle Trips - Trip rate is based on the trip generation prepared for the proposed project, which assumes the project would generate 840 average daily trips.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and use of Tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation - The project would have no hearth and paint would have reduced amounts of volatile organic compounds (low VOC).

Energy Mitigation - The project would install solar and LED lighting throughout and all appliances would be ENERGY STAR certified.

Water Mitigation - The project would install low-flow plumbing and water-efficient landscape.

Energy Use - Project would be all-electric.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	115.00
tblConstructionPhase	NumDays	230.00	391.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	86.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialImported	0.00	10,300.00
tblLandUse	LandUseSquareFeet	40,800.00	54,845.00
tblLandUse	LandUseSquareFeet	19,710.00	19,714.00
tblLandUse	LandUseSquareFeet	185,000.00	204,144.00
tblLandUse	LotAcreage	0.92	0.59
tblLandUse	LotAcreage	0.45	0.00
tblLandUse	LotAcreage	4.87	1.32
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	132.00	130.00
tblOffRoadEquipment	HorsePower	212.00	110.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	80.00	101.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	10.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	236.00	100.00
tblTripsAndVMT	WorkerTripNumber	47.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.9910	44.3996	29.9613	0.1165	10.3236	1.5360	11.8597	4.1194	1.4259	5.5453	0.0000	11,762.42 10	11,762.42 10	2.2545	0.6683	12,017.94 45
2024	29.7421	19.0408	24.7171	0.0575	2.0493	0.7581	2.8074	0.5528	0.7172	1.2699	0.0000	5,709.152 2	5,709.152 2	0.7451	0.2274	5,795.549 1
2025	29.5867	17.8477	24.3552	0.0568	2.0494	0.6536	2.7030	0.5528	0.6183	1.1711	0.0000	5,655.632 2	5,655.632 2	0.7375	0.2216	5,740.110 8
Maximum	29.7421	44.3996	29.9613	0.1165	10.3236	1.5360	11.8597	4.1194	1.4259	5.5453	0.0000	11,762.42 10	11,762.42 10	2.2545	0.6683	12,017.94 45

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.4755	71.0543	45.4301	0.1165	5.6955	1.6613	7.3569	2.1375	1.6581	3.7955	0.0000	11,762.42 10	11,762.42 10	2.2545	0.6683	12,017.94 45
2024	29.2432	31.3919	26.6278	0.0575	2.0493	1.1102	3.1595	0.5528	1.1089	1.6617	0.0000	5,709.152 2	5,709.152 2	0.7451	0.2274	5,795.549 1
2025	29.2117	31.3478	26.3555	0.0568	2.0494	1.1098	3.1592	0.5528	1.1086	1.6614	0.0000	5,655.632 2	5,655.632 2	0.7375	0.2216	5,740.110 8
Maximum	29.2432	71.0543	45.4301	0.1165	5.6955	1.6613	7.3569	2.1375	1.6581	3.7955	0.0000	11,762.42 10	11,762.42 10	2.2545	0.6683	12,017.94 45

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.8430	2.1616	18.2708	0.0353	4.0831	0.0264	4.1095	1.0875	0.0246	1.1121		3,683.9748	3,683.9748	0.2550	0.1840	3,745.1902
Total	84.0976	4.0193	134.0527	0.2298	4.0831	14.3814	18.4645	1.0875	14.3796	15.4671	1,548.6066	4,397.0727	5,945.6792	2.4006	0.2935	6,093.1531

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	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.6373	1.7756	15.1560	0.0271	3.1022	0.0208	3.1230	0.8263	0.0194	0.8456		2,827.8908	2,827.8908	0.2201	0.1518	2,878.6271
Total	7.8088	1.9513	30.4170	0.0279	3.1022	0.1054	3.2076	0.8263	0.1040	0.9303	0.0000	2,855.4004	2,855.4004	0.2465	0.1518	2,906.7965

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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
Percent Reduction	90.71	51.45	77.31	87.85	24.02	99.27	82.63	24.02	99.28	93.99	100.00	35.06	51.98	89.73	48.28	52.29

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 and Site Preparation	Demolition	6/15/2023	7/14/2023	5	22	
2	Rough Grading	Grading	6/15/2023	7/14/2023	5	22	
3	Utility Trenching	Trenching	7/17/2023	8/15/2023	5	22	
4	Paving	Paving	7/17/2023	8/15/2023	5	22	
5	Fine Grading	Grading	8/15/2023	9/15/2023	5	24	
6	Building Construction	Building Construction	9/15/2023	3/14/2025	5	391	
7	Architectural Coating	Architectural Coating	10/7/2024	3/14/2025	5	115	
8	Finishing/Landscaping	Site Preparation	11/15/2024	3/14/2025	5	86	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 33

Acres of Paving: 3

Residential Indoor: 413,392; Residential Outdoor: 137,797; Non-Residential Indoor: 29,571; Non-Residential Outdoor: 9,857; Striped Parking Area: 9,589 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition and Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition and Site Preparation	Excavators	1	8.00	271	0.38
Demolition and Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Excavators	2	8.00	271	0.38
Rough Grading	Graders	2	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Utility Trenching	Excavators	2	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Crawler Tractors	1	8.00	110	0.43
Fine Grading	Excavators	0	8.00	158	0.38
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Other Construction Equipment	1	8.00	250	0.42
Fine Grading	Rollers	1	8.00	101	0.38
Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

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 and Site Preparation	4	50.00	0.00	76.00	10.80	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	7	50.00	0.00	1,288.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	100.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition and Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7490	0.0000	0.7490	0.1134	0.0000	0.1134			0.0000			0.0000
Off-Road	1.3913	12.8692	10.9038	0.0267		0.5799	0.5799		0.5438	0.5438		2,574.682 1	2,574.682 1	0.6702		2,591.437 7
Total	1.3913	12.8692	10.9038	0.0267	0.7490	0.5799	1.3288	0.1134	0.5438	0.6572		2,574.682 1	2,574.682 1	0.6702		2,591.437 7

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.2 Demolition and Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.1400e-003	0.4982	0.1141	2.1800e-003	0.0634	3.9800e-003	0.0674	0.0174	3.8100e-003	0.0212		238.2859	238.2859	7.8300e-003	0.0378	249.7343
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	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.1459	0.5940	1.2589	5.4900e-003	0.4742	6.0200e-003	0.4802	0.1263	5.6900e-003	0.1320		576.8775	576.8775	0.0183	0.0477	591.5526

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					0.3370	0.0000	0.3370	0.0510	0.0000	0.0510			0.0000			0.0000
Off-Road	0.8125	22.7293	15.4536	0.0267		0.6349	0.6349		0.6349	0.6349	0.0000	2,574.6821	2,574.6821	0.6702		2,591.4377
Total	0.8125	22.7293	15.4536	0.0267	0.3370	0.6349	0.9720	0.0510	0.6349	0.6860	0.0000	2,574.6821	2,574.6821	0.6702		2,591.4377

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.2 Demolition and Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.1400e-003	0.4982	0.1141	2.1800e-003	0.0634	3.9800e-003	0.0674	0.0174	3.8100e-003	0.0212		238.2859	238.2859	7.8300e-003	0.0378	249.7343
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	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.1459	0.5940	1.2589	5.4900e-003	0.4742	6.0200e-003	0.4802	0.1263	5.6900e-003	0.1320		576.8775	576.8775	0.0183	0.0477	591.5526

3.3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6658	0.0000	7.6658	3.4900	0.0000	3.4900			0.0000			0.0000
Off-Road	2.1974	22.7488	14.7717	0.0456		0.8838	0.8838		0.8131	0.8131		4,418.7424	4,418.7424	1.4291		4,454.4702
Total	2.1974	22.7488	14.7717	0.0456	7.6658	0.8838	8.5496	3.4900	0.8131	4.3031		4,418.7424	4,418.7424	1.4291		4,454.4702

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.3 Rough Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1177	8.0917	1.8821	0.0353	1.0240	0.0643	1.0883	0.2807	0.0615	0.3422		3,853.5275	3,853.5275	0.1265	0.6107	4,038.6657
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	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.2564	8.1876	3.0268	0.0387	1.4347	0.0663	1.5010	0.3896	0.0634	0.4530		4,192.1190	4,192.1190	0.1369	0.6206	4,380.4840

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					3.4496	0.0000	3.4496	1.5705	0.0000	1.5705			0.0000			0.0000
Off-Road	1.2607	39.5434	25.6908	0.0456		0.9541	0.9541		0.9541	0.9541	0.0000	4,418.7424	4,418.7424	1.4291		4,454.4702
Total	1.2607	39.5434	25.6908	0.0456	3.4496	0.9541	4.4037	1.5705	0.9541	2.5246	0.0000	4,418.7424	4,418.7424	1.4291		4,454.4702

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.3 Rough Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1177	8.0917	1.8821	0.0353	1.0240	0.0643	1.0883	0.2807	0.0615	0.3422		3,853.5275	3,853.5275	0.1265	0.6107	4,038.6657
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	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.2564	8.1876	3.0268	0.0387	1.4347	0.0663	1.5010	0.3896	0.0634	0.4530		4,192.1190	4,192.1190	0.1369	0.6206	4,380.4840

3.4 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7458	6.3156	8.2801	0.0239		0.2614	0.2614		0.2405	0.2405		2,310.0314	2,310.0314	0.7471		2,328.7092
Total	0.7458	6.3156	8.2801	0.0239		0.2614	0.2614		0.2405	0.2405		2,310.0314	2,310.0314	0.7471		2,328.7092

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.4 Utility Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275
Total	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275

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	0.7271	21.0883	14.1287	0.0239		0.5627	0.5627		0.5627	0.5627	0.0000	2,310.0314	2,310.0314	0.7471		2,328.7092
Total	0.7271	21.0883	14.1287	0.0239		0.5627	0.5627		0.5627	0.5627	0.0000	2,310.0314	2,310.0314	0.7471		2,328.7092

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.4 Utility Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275
Total	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5064	4.9991	7.1425	0.0112		0.2505	0.2505		0.2305	0.2305		1,080.3069	1,080.3069	0.3494		1,089.0418
Paving	0.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7934	4.9991	7.1425	0.0112		0.2505	0.2505		0.2305	0.2305		1,080.3069	1,080.3069	0.3494		1,089.0418

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275
Total	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275

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	0.4561	9.8499	8.4638	0.0112		0.3271	0.3271		0.3271	0.3271	0.0000	1,080.3069	1,080.3069	0.3494		1,089.0418
Paving	0.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7431	9.8499	8.4638	0.0112		0.3271	0.3271		0.3271	0.3271	0.0000	1,080.3069	1,080.3069	0.3494		1,089.0418

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275
Total	0.2081	0.1438	1.7172	4.9600e-003	0.6161	3.0600e-003	0.6192	0.1634	2.8100e-003	0.1662		507.8873	507.8873	0.0157	0.0149	512.7275

3.6 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6595	6.0054	5.5831	7.4100e-003		0.4229	0.4229		0.3890	0.3890		718.0354	718.0354	0.2322		723.8411
Total	0.6595	6.0054	5.5831	7.4100e-003	0.5303	0.4229	0.9531	0.0573	0.3890	0.4463		718.0354	718.0354	0.2322		723.8411

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.6 Fine Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.3476	7.1779	5.5912	7.4100e-003		0.2901	0.2901		0.2901	0.2901	0.0000	718.0354	718.0354	0.2322		723.8411
Total	0.3476	7.1779	5.5912	7.4100e-003	0.2386	0.2901	0.5288	0.0258	0.2901	0.3159	0.0000	718.0354	718.0354	0.2322		723.8411

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.6 Fine Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183
Total	0.1387	0.0959	1.1448	3.3100e-003	0.4107	2.0400e-003	0.4128	0.1090	1.8800e-003	0.1108		338.5915	338.5915	0.0104	9.9500e-003	341.8183

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2118	10.7481	10.5764	0.0194		0.5172	0.5172		0.4905	0.4905		1,821.3284	1,821.3284	0.3705		1,830.5907
Total	1.2118	10.7481	10.5764	0.0194		0.5172	0.5172		0.4905	0.4905		1,821.3284	1,821.3284	0.3705		1,830.5907

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0631	2.7232	0.8499	0.0122	0.4064	0.0156	0.4220	0.1170	0.0150	0.1320		1,306.6325	1,306.6325	0.0265	0.1934	1,364.9220
Worker	0.2774	0.1917	2.2895	6.6200e-003	0.8215	4.0700e-003	0.8256	0.2179	3.7500e-003	0.2216		677.1830	677.1830	0.0209	0.0199	683.6366
Total	0.3405	2.9149	3.1394	0.0188	1.2278	0.0197	1.2476	0.3349	0.0187	0.3536		1,983.8155	1,983.8155	0.0474	0.2133	2,048.5586

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3284	1,821.3284	0.3705		1,830.5907
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3284	1,821.3284	0.3705		1,830.5907

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0631	2.7232	0.8499	0.0122	0.4064	0.0156	0.4220	0.1170	0.0150	0.1320		1,306.6325	1,306.6325	0.0265	0.1934	1,364.9220
Worker	0.2774	0.1917	2.2895	6.6200e-003	0.8215	4.0700e-003	0.8256	0.2179	3.7500e-003	0.2216		677.1830	677.1830	0.0209	0.0199	683.6366
Total	0.3405	2.9149	3.1394	0.0188	1.2278	0.0197	1.2476	0.3349	0.0187	0.3536		1,983.8155	1,983.8155	0.0474	0.2133	2,048.5586

3.7 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	1.1281	10.0043	10.4818	0.0194		0.4539	0.4539		0.4303	0.4303		1,821.3167	1,821.3167	0.3668		1,830.4876
Total	1.1281	10.0043	10.4818	0.0194		0.4539	0.4539		0.4303	0.4303		1,821.3167	1,821.3167	0.3668		1,830.4876

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 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	0.0611	2.7244	0.8322	0.0120	0.4064	0.0158	0.4222	0.1170	0.0151	0.1321		1,286.2966	1,286.2966	0.0264	0.1903	1,343.6740
Worker	0.2602	0.1711	2.1414	6.4000e-003	0.8215	3.8800e-003	0.8254	0.2179	3.5700e-003	0.2215		660.4873	660.4873	0.0190	0.0186	666.4876
Total	0.3213	2.8955	2.9736	0.0184	1.2279	0.0197	1.2475	0.3349	0.0187	0.3536		1,946.7839	1,946.7839	0.0453	0.2089	2,010.1615

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3167	1,821.3167	0.3668		1,830.4876
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.3167	1,821.3167	0.3668		1,830.4876

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 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	0.0611	2.7244	0.8322	0.0120	0.4064	0.0158	0.4222	0.1170	0.0151	0.1321		1,286.2966	1,286.2966	0.0264	0.1903	1,343.6740
Worker	0.2602	0.1711	2.1414	6.4000e-003	0.8215	3.8800e-003	0.8254	0.2179	3.5700e-003	0.2215		660.4873	660.4873	0.0190	0.0186	666.4876
Total	0.3213	2.8955	2.9736	0.0184	1.2279	0.0197	1.2475	0.3349	0.0187	0.3536		1,946.7839	1,946.7839	0.0453	0.2089	2,010.1615

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0529	9.2925	10.4113	0.0194		0.3995	0.3995		0.3784	0.3784		1,821.3352	1,821.3352	0.3632		1,830.4150
Total	1.0529	9.2925	10.4113	0.0194		0.3995	0.3995		0.3784	0.3784		1,821.3352	1,821.3352	0.3632		1,830.4150

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 Building Construction - 2025

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	0.0595	2.7142	0.8177	0.0118	0.4064	0.0158	0.4222	0.1170	0.0151	0.1321		1,263.441 0	1,263.441 0	0.0262	0.1869	1,319.780 7
Worker	0.2452	0.1542	2.0125	6.1900e-003	0.8215	3.7100e-003	0.8252	0.2179	3.4200e-003	0.2213		644.7122	644.7122	0.0172	0.0174	650.3224
Total	0.3047	2.8684	2.8302	0.0180	1.2279	0.0195	1.2473	0.3349	0.0185	0.3534		1,908.153 2	1,908.153 2	0.0435	0.2042	1,970.103 2

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	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.335 2	1,821.335 2	0.3632		1,830.415 0
Total	0.7134	16.1686	12.0433	0.0194		0.5953	0.5953		0.5953	0.5953	0.0000	1,821.335 2	1,821.335 2	0.3632		1,830.415 0

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.7 Building Construction - 2025

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	0.0595	2.7142	0.8177	0.0118	0.4064	0.0158	0.4222	0.1170	0.0151	0.1321		1,263.4410	1,263.4410	0.0262	0.1869	1,319.7807
Worker	0.2452	0.1542	2.0125	6.1900e-003	0.8215	3.7100e-003	0.8252	0.2179	3.4200e-003	0.2213		644.7122	644.7122	0.0172	0.0174	650.3224
Total	0.3047	2.8684	2.8302	0.0180	1.2279	0.0195	1.2473	0.3349	0.0185	0.3534		1,908.1532	1,908.1532	0.0435	0.2042	1,970.1032

3.8 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	27.3597					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	27.6007	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.8 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	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438
Total	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438

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	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1519	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923
Total	27.5116	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0211		375.7923

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.8 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	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438
Total	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438

3.8 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	27.5875	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.8 Architectural Coating - 2025

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	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612
Total	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612

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	27.3597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1519	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0205		375.7758
Total	27.5116	3.1366	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0205		375.7758

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.8 Architectural Coating - 2025

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	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612
Total	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612

3.9 Finishing/Landscaping - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4318	4.3448	6.7068	9.3500e-003		0.1994	0.1994		0.1834	0.1834		905.3002	905.3002	0.2928		912.6200
Total	0.4318	4.3448	6.7068	9.3500e-003	0.0000	0.1994	0.1994	0.0000	0.1834	0.1834		905.3002	905.3002	0.2928		912.6200

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.9 Finishing/Landscaping - 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	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438
Total	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4368	9.0201	7.0262	9.3500e-003		0.3646	0.3646		0.3646	0.3646	0.0000	905.3002	905.3002	0.2928		912.6200
Total	0.4368	9.0201	7.0262	9.3500e-003	0.0000	0.3646	0.3646	0.0000	0.3646	0.3646	0.0000	905.3002	905.3002	0.2928		912.6200

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.9 Finishing/Landscaping - 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	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438
Total	0.1301	0.0856	1.0707	3.2000e-003	0.4107	1.9400e-003	0.4127	0.1090	1.7900e-003	0.1107		330.2436	330.2436	9.4800e-003	9.2700e-003	333.2438

3.9 Finishing/Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3964	4.0053	6.6890	9.3600e-003		0.1623	0.1623		0.1493	0.1493		906.1676	906.1676	0.2931		913.4944
Total	0.3964	4.0053	6.6890	9.3600e-003	0.0000	0.1623	0.1623	0.0000	0.1493	0.1493		906.1676	906.1676	0.2931		913.4944

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.9 Finishing/Landscaping - 2025

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	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612
Total	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4368	9.0201	7.0262	9.3600e-003		0.3646	0.3646		0.3646	0.3646	0.0000	906.1676	906.1676	0.2931		913.4944
Total	0.4368	9.0201	7.0262	9.3600e-003	0.0000	0.3646	0.3646	0.0000	0.3646	0.3646	0.0000	906.1676	906.1676	0.2931		913.4944

Green Valley 3 Apartments Project - Bay Area AQMD Air District, Winter

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

3.9 Finishing/Landscaping - 2025

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	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612
Total	0.1226	0.0771	1.0063	3.0900e-003	0.4107	1.8600e-003	0.4126	0.1090	1.7100e-003	0.1107		322.3561	322.3561	8.6200e-003	8.6900e-003	325.1612

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	1.6373	1.7756	15.1560	0.0271	3.1022	0.0208	3.1230	0.8263	0.0194	0.8456		2,827.8908	2,827.8908	0.2201	0.1518	2,878.6271
Unmitigated	1.8430	2.1616	18.2708	0.0353	4.0831	0.0264	4.1095	1.0875	0.0246	1.1121		3,683.9748	3,683.9748	0.2550	0.1840	3,745.1902

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	839.90	839.90	839.90	1,939,839	1,473,808
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	839.90	839.90	839.90	1,939,839	1,473,808

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
City Park	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking with Elevator	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Health Club	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Other Asphalt Surfaces	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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 s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	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
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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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					
Apartments Mid Rise	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
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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694
Unmitigated	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629

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	0.8620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.8505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	76.0831	1.6820	100.5208	0.1937		14.2704	14.2704		14.2704	14.2704	1,548.6066	685.5882	2,234.1948	2.1192	0.1095	2,319.7935
Landscaping	0.4590	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847		27.5097	27.5097	0.0264		28.1694
Total	82.2546	1.8578	115.7819	0.1945		14.3551	14.3551		14.3551	14.3551	1,548.6066	713.0979	2,261.7045	2.1456	0.1095	2,347.9629

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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	0.8620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.8505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4590	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847		27.5097	27.5097	0.0264		28.1694
Total	6.1715	0.1758	15.2611	8.1000e-004		0.0847	0.0847		0.0847	0.0847	0.0000	27.5097	27.5097	0.0264	0.0000	28.1694

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Green Valley 3 Apartments Project - Bay Area AQMD Air District, 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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

Green Valley 3 Apartments Project - Mitigated

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	102.00	Space	0.59	54,845.00	0
Other Asphalt Surfaces	2.41	Acre	2.41	104,979.60	0
City Park	1.47	Acre	1.47	64,033.20	0
Health Club	19.71	1000sqft	0.00	19,714.00	0
Apartments Mid Rise	185.00	Dwelling Unit	1.32	204,144.00	529

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			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 - Apartments mid rise includes the apartment building, health club includes the clubhouse, enclosed parking with elevator includes the parking garage, city park includes the landscape/pervious areas, and other asphalt surfaces includes impervious areas.

Construction Phase - Based on construction activities and schedule assumptions provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant.

Off-road Equipment - Equipment list based on information provided by Project Applicant. Other construction equipment includes a blade.

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	230.00	391.00
tblConstructionPhase	NumDays	20.00	115.00
tblConstructionPhase	NumDays	10.00	86.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialImported	0.00	10,300.00
tblLandUse	LandUseSquareFeet	40,800.00	54,845.00
tblLandUse	LandUseSquareFeet	19,710.00	19,714.00
tblLandUse	LandUseSquareFeet	185,000.00	204,144.00
tblLandUse	LotAcreage	0.92	0.59
tblLandUse	LotAcreage	0.45	0.00
tblLandUse	LotAcreage	4.87	1.32
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	132.00	130.00

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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

tblOffRoadEquipment	HorsePower	212.00	110.00
tblOffRoadEquipment	HorsePower	158.00	271.00
tblOffRoadEquipment	HorsePower	172.00	250.00
tblOffRoadEquipment	HorsePower	80.00	101.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	75.00
tblTripsAndVMT	WorkerTripNumber	10.00	75.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	236.00	100.00

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

tblTripsAndVMT	WorkerTripNumber	47.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1325	1.2034	1.1330	3.3600e-003	0.1820	0.0481	0.2300	0.0629	0.0450	0.1078	0.0000	304.3194	304.3194	0.0507	0.0143	309.8608
2024	1.0557	1.8065	1.9862	5.3800e-003	0.1739	0.0679	0.2418	0.0475	0.0644	0.1119	0.0000	486.7598	486.7598	0.0542	0.0250	495.5775
2025	0.7830	0.4708	0.6415	1.5100e-003	0.0523	0.0173	0.0696	0.0142	0.0164	0.0305	0.0000	136.1875	136.1875	0.0177	5.2700e-003	138.2009
Maximum	1.0557	1.8065	1.9862	5.3800e-003	0.1820	0.0679	0.2418	0.0629	0.0644	0.1119	0.0000	486.7598	486.7598	0.0542	0.0250	495.5775

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0924	1.9325	1.4379	3.3600e-003	0.1275	9.6400e-003	0.1372	0.0407	9.5600e-003	0.0502	0.0000	304.3192	304.3192	0.0507	0.0143	309.8606
2024	0.9987	2.7380	2.1970	5.3800e-003	0.1739	0.0159	0.1897	0.0475	0.0157	0.0632	0.0000	486.7596	486.7596	0.0542	0.0250	495.5772
2025	0.7731	0.8286	0.6945	1.5100e-003	0.0523	4.9300e-003	0.0573	0.0142	4.9000e-003	0.0191	0.0000	136.1874	136.1874	0.0177	5.2700e-003	138.2008
Maximum	0.9987	2.7380	2.1970	5.3800e-003	0.1739	0.0159	0.1897	0.0475	0.0157	0.0632	0.0000	486.7596	486.7596	0.0542	0.0250	495.5772

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, 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
Percent Reduction	5.43	-57.99	-15.12	0.00	13.33	77.19	29.06	17.82	76.01	47.07	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-15-2023	9-14-2023	0.7338	1.2222
2	9-15-2023	12-14-2023	0.4959	0.6561
3	12-15-2023	3-14-2024	0.4716	0.6534
4	3-15-2024	6-14-2024	0.4665	0.6554
5	6-15-2024	9-14-2024	0.4653	0.6542
6	9-15-2024	12-14-2024	1.2443	1.5163
7	12-15-2024	3-14-2025	1.5329	1.9470
		Highest	1.5329	1.9470

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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	tons/yr										MT/yr					
Area	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	108.5609	108.5609	0.0176	2.1300e-003	109.6344
Mobile	0.3352	0.3720	3.1140	6.4600e-003	0.7150	4.7900e-003	0.7198	0.1910	4.4600e-003	0.1955	0.0000	611.1042	611.1042	0.0398	0.0292	620.8078
Waste						0.0000	0.0000		0.0000	0.0000	40.1070	0.0000	40.1070	2.3703	0.0000	99.3633
Water						0.0000	0.0000		0.0000	0.0000	4.1938	9.8775	14.0713	0.4324	0.0104	27.9686
Total	1.8459	0.3977	5.0752	7.7000e-003	0.7150	0.0964	0.8115	0.1910	0.0961	0.2871	52.7349	735.2529	787.9878	2.8756	0.0423	872.4761

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	104.0239	104.0239	0.0168	2.0400e-003	105.0525
Mobile	0.2989	0.3053	2.5649	4.9600e-003	0.5432	3.7800e-003	0.5470	0.1451	3.5200e-003	0.1487	0.0000	469.0020	469.0020	0.0341	0.0241	477.0292
Waste						0.0000	0.0000		0.0000	0.0000	40.1070	0.0000	40.1070	2.3703	0.0000	99.3633
Water						0.0000	0.0000		0.0000	0.0000	3.3551	8.3550	11.7101	0.3460	8.3000e-003	22.8324
Total	1.3827	0.3212	3.9384	5.0300e-003	0.5432	0.0114	0.5546	0.1451	0.0111	0.1563	43.4620	583.6270	627.0891	2.7693	0.0344	706.5774

	ROG	NOx	CO	SO2	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	25.09	19.24	22.40	34.68	24.02	88.18	31.65	24.02	88.41	45.58	17.58	20.62	20.42	3.70	18.57	19.01

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 and Site Preparation	Demolition	6/15/2023	7/14/2023	5	22	
2	Rough Grading	Grading	6/15/2023	7/14/2023	5	22	
3	Utility Trenching	Trenching	7/17/2023	8/15/2023	5	22	

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

4	Paving	Paving	7/17/2023	8/15/2023	5	22
5	Fine Grading	Grading	8/15/2023	9/15/2023	5	24
6	Building Construction	Building Construction	9/15/2023	3/14/2025	5	391
7	Architectural Coating	Architectural Coating	10/7/2024	3/14/2025	5	115
8	Finishing/Landscaping	Site Preparation	11/15/2024	3/14/2025	5	86

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 33

Acres of Paving: 3

Residential Indoor: 413,392; Residential Outdoor: 137,797; Non-Residential Indoor: 29,571; Non-Residential Outdoor: 9,857; Striped Parking Area: 9,589 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition and Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition and Site Preparation	Excavators	1	8.00	271	0.38
Demolition and Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Demolition and Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Excavators	2	8.00	271	0.38
Rough Grading	Graders	2	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Utility Trenching	Excavators	2	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Crawler Tractors	1	8.00	110	0.43
Fine Grading	Excavators	0	8.00	158	0.38

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

Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Other Construction Equipment	1	8.00	250	0.42
Fine Grading	Rollers	1	8.00	101	0.38
Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	4	50.00	0.00	76.00	10.80	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	7	50.00	0.00	1,288.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	75.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	100.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	3	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition and Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2400e-003	0.0000	8.2400e-003	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1416	0.1199	2.9000e-004		6.3800e-003	6.3800e-003		5.9800e-003	5.9800e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600
Total	0.0153	0.1416	0.1199	2.9000e-004	8.2400e-003	6.3800e-003	0.0146	1.2500e-003	5.9800e-003	7.2300e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600

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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 and Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.3800e-003	1.2500e-003	2.0000e-005	6.7000e-004	4.0000e-005	7.2000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	2.3766	2.3766	8.0000e-005	3.8000e-004	2.4908
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	1.4900e-003	6.3400e-003	0.0135	6.0000e-005	5.0200e-003	6.0000e-005	5.0900e-003	1.3500e-003	6.0000e-005	1.4100e-003	0.0000	5.7828	5.7828	1.8000e-004	4.7000e-004	5.9273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7100e-003	0.0000	3.7100e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9400e-003	0.2500	0.1700	2.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600
Total	8.9400e-003	0.2500	0.1700	2.9000e-004	3.7100e-003	1.0500e-003	4.7600e-003	5.6000e-004	1.0500e-003	1.6100e-003	0.0000	25.6928	25.6928	6.6900e-003	0.0000	25.8600

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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 and Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.3800e-003	1.2500e-003	2.0000e-005	6.7000e-004	4.0000e-005	7.2000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	2.3766	2.3766	8.0000e-005	3.8000e-004	2.4908
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	1.4900e-003	6.3400e-003	0.0135	6.0000e-005	5.0200e-003	6.0000e-005	5.0900e-003	1.3500e-003	6.0000e-005	1.4100e-003	0.0000	5.7828	5.7828	1.8000e-004	4.7000e-004	5.9273

3.3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0384	0.0000	0.0384	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.2502	0.1625	5.0000e-004		9.7200e-003	9.7200e-003		8.9400e-003	8.9400e-003	0.0000	44.0948	44.0948	0.0143	0.0000	44.4513
Total	0.0242	0.2502	0.1625	5.0000e-004	0.0843	9.7200e-003	0.0940	0.0384	8.9400e-003	0.0473	0.0000	44.0948	44.0948	0.0143	0.0000	44.4513

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

3.3 Rough Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3400e-003	0.0873	0.0205	3.9000e-004	0.0109	7.1000e-004	0.0116	3.0000e-003	6.8000e-004	3.6700e-003	0.0000	38.4335	38.4335	1.2600e-003	6.0900e-003	40.2800
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	2.7500e-003	0.0883	0.0327	4.3000e-004	0.0152	7.3000e-004	0.0160	4.1600e-003	7.0000e-004	4.8500e-003	0.0000	41.8396	41.8396	1.3600e-003	6.1800e-003	43.7165

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					0.0380	0.0000	0.0380	0.0173	0.0000	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.4350	0.2826	5.0000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	44.0947	44.0947	0.0143	0.0000	44.4513
Total	0.0139	0.4350	0.2826	5.0000e-004	0.0380	1.5700e-003	0.0395	0.0173	1.5700e-003	0.0189	0.0000	44.0947	44.0947	0.0143	0.0000	44.4513

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

3.3 Rough Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3400e-003	0.0873	0.0205	3.9000e-004	0.0109	7.1000e-004	0.0116	3.0000e-003	6.8000e-004	3.6700e-003	0.0000	38.4335	38.4335	1.2600e-003	6.0900e-003	40.2800
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	1.4100e-003	9.6000e-004	0.0122	4.0000e-005	4.3500e-003	2.0000e-005	4.3700e-003	1.1600e-003	2.0000e-005	1.1800e-003	0.0000	3.4061	3.4061	1.0000e-004	9.0000e-005	3.4364
Total	2.7500e-003	0.0883	0.0327	4.3000e-004	0.0152	7.3000e-004	0.0160	4.1600e-003	7.0000e-004	4.8500e-003	0.0000	41.8396	41.8396	1.3600e-003	6.1800e-003	43.7165

3.4 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-003	0.0695	0.0911	2.6000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2383
Total	8.2000e-003	0.0695	0.0911	2.6000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2383

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

3.4 Utility Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-003	0.2320	0.1554	2.6000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2382
Total	8.0000e-003	0.2320	0.1554	2.6000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	23.0519	23.0519	7.4600e-003	0.0000	23.2382

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

3.4 Utility Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5700e-003	0.0550	0.0786	1.2000e-004		2.7600e-003	2.7600e-003		2.5400e-003	2.5400e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676
Paving	3.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7300e-003	0.0550	0.0786	1.2000e-004		2.7600e-003	2.7600e-003		2.5400e-003	2.5400e-003	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676

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

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

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	5.0200e-003	0.1084	0.0931	1.2000e-004		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676
Paving	3.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1800e-003	0.1084	0.0931	1.2000e-004		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	10.7804	10.7804	3.4900e-003	0.0000	10.8676

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

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547
Total	2.1100e-003	1.4500e-003	0.0183	6.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7700e-003	0.0000	5.1092	5.1092	1.5000e-004	1.4000e-004	5.1547

3.6 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9100e-003	0.0721	0.0670	9.0000e-005		5.0700e-003	5.0700e-003		4.6700e-003	4.6700e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799
Total	7.9100e-003	0.0721	0.0670	9.0000e-005	6.3600e-003	5.0700e-003	0.0114	6.9000e-004	4.6700e-003	5.3600e-003	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799

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3.6 Fine Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489
Total	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489

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					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1700e-003	0.0861	0.0671	9.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799
Total	4.1700e-003	0.0861	0.0671	9.0000e-005	2.8600e-003	5.2000e-004	3.3800e-003	3.1000e-004	5.2000e-004	8.3000e-004	0.0000	7.8167	7.8167	2.5300e-003	0.0000	7.8799

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3.6 Fine Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489
Total	1.5400e-003	1.0500e-003	0.0133	4.0000e-005	4.7400e-003	2.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.7158	3.7158	1.1000e-004	1.0000e-004	3.7489

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0461	0.4084	0.4019	7.4000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	62.7867	62.7867	0.0128	0.0000	63.1060
Total	0.0461	0.4084	0.4019	7.4000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	62.7867	62.7867	0.0128	0.0000	63.1060

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

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1014	0.0317	4.6000e-004	0.0150	5.9000e-004	0.0156	4.3300e-003	5.7000e-004	4.8900e-003	0.0000	45.0062	45.0062	9.2000e-004	6.6600e-003	47.0132
Worker	9.7200e-003	6.6600e-003	0.0843	2.5000e-004	0.0300	1.5000e-004	0.0302	7.9900e-003	1.4000e-004	8.1300e-003	0.0000	23.5334	23.5334	6.8000e-004	6.5000e-004	23.7427
Total	0.0122	0.1080	0.1160	7.1000e-004	0.0450	7.4000e-004	0.0457	0.0123	7.1000e-004	0.0130	0.0000	68.5395	68.5395	1.6000e-003	7.3100e-003	70.7559

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	0.0271	0.6144	0.4577	7.4000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	62.7866	62.7866	0.0128	0.0000	63.1059
Total	0.0271	0.6144	0.4577	7.4000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	62.7866	62.7866	0.0128	0.0000	63.1059

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

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1014	0.0317	4.6000e-004	0.0150	5.9000e-004	0.0156	4.3300e-003	5.7000e-004	4.8900e-003	0.0000	45.0062	45.0062	9.2000e-004	6.6600e-003	47.0132
Worker	9.7200e-003	6.6600e-003	0.0843	2.5000e-004	0.0300	1.5000e-004	0.0302	7.9900e-003	1.4000e-004	8.1300e-003	0.0000	23.5334	23.5334	6.8000e-004	6.5000e-004	23.7427
Total	0.0122	0.1080	0.1160	7.1000e-004	0.0450	7.4000e-004	0.0457	0.0123	7.1000e-004	0.0130	0.0000	68.5395	68.5395	1.6000e-003	7.3100e-003	70.7559

3.7 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	0.1478	1.3106	1.3731	2.5400e-003		0.0595	0.0595		0.0564	0.0564	0.0000	216.4475	216.4475	0.0436	0.0000	217.5374
Total	0.1478	1.3106	1.3731	2.5400e-003		0.0595	0.0595		0.0564	0.0564	0.0000	216.4475	216.4475	0.0436	0.0000	217.5374

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

3.7 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	8.1400e-003	0.3496	0.1070	1.5700e-003	0.0516	2.0600e-003	0.0536	0.0149	1.9700e-003	0.0169	0.0000	152.7352	152.7352	3.1500e-003	0.0226	159.5458
Worker	0.0314	0.0205	0.2714	8.5000e-004	0.1035	5.1000e-004	0.1040	0.0275	4.7000e-004	0.0280	0.0000	79.1272	79.1272	2.1200e-003	2.0700e-003	79.7982
Total	0.0395	0.3701	0.3784	2.4200e-003	0.1551	2.5700e-003	0.1577	0.0425	2.4400e-003	0.0449	0.0000	231.8623	231.8623	5.2700e-003	0.0247	239.3440

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	0.0935	2.1181	1.5777	2.5400e-003		0.0117	0.0117		0.0117	0.0117	0.0000	216.4472	216.4472	0.0436	0.0000	217.5371
Total	0.0935	2.1181	1.5777	2.5400e-003		0.0117	0.0117		0.0117	0.0117	0.0000	216.4472	216.4472	0.0436	0.0000	217.5371

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

3.7 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	8.1400e-003	0.3496	0.1070	1.5700e-003	0.0516	2.0600e-003	0.0536	0.0149	1.9700e-003	0.0169	0.0000	152.7352	152.7352	3.1500e-003	0.0226	159.5458
Worker	0.0314	0.0205	0.2714	8.5000e-004	0.1035	5.1000e-004	0.1040	0.0275	4.7000e-004	0.0280	0.0000	79.1272	79.1272	2.1200e-003	2.0700e-003	79.7982
Total	0.0395	0.3701	0.3784	2.4200e-003	0.1551	2.5700e-003	0.1577	0.0425	2.4400e-003	0.0449	0.0000	231.8623	231.8623	5.2700e-003	0.0247	239.3440

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2463	0.2759	5.1000e-004		0.0106	0.0106		0.0100	0.0100	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039
Total	0.0279	0.2463	0.2759	5.1000e-004		0.0106	0.0106		0.0100	0.0100	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039

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

3.7 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-003	0.0705	0.0213	3.1000e-004	0.0104	4.2000e-004	0.0109	3.0200e-003	4.0000e-004	3.4200e-003	0.0000	30.3473	30.3473	6.3000e-004	4.4900e-003	31.7001
Worker	5.9700e-003	3.7300e-003	0.0516	1.7000e-004	0.0209	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.6242	15.6242	3.9000e-004	3.9000e-004	15.7511
Total	7.5700e-003	0.0742	0.0728	4.8000e-004	0.0314	5.2000e-004	0.0319	8.5900e-003	4.9000e-004	9.0800e-003	0.0000	45.9715	45.9715	1.0200e-003	4.8800e-003	47.4513

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	0.0189	0.4285	0.3192	5.1000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039
Total	0.0189	0.4285	0.3192	5.1000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	43.7856	43.7856	8.7300e-003	0.0000	44.0039

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

3.7 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-003	0.0705	0.0213	3.1000e-004	0.0104	4.2000e-004	0.0109	3.0200e-003	4.0000e-004	3.4200e-003	0.0000	30.3473	30.3473	6.3000e-004	4.4900e-003	31.7001
Worker	5.9700e-003	3.7300e-003	0.0516	1.7000e-004	0.0209	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.6242	15.6242	3.9000e-004	3.9000e-004	15.7511
Total	7.5700e-003	0.0742	0.0728	4.8000e-004	0.0314	5.2000e-004	0.0319	8.5900e-003	4.9000e-004	9.0800e-003	0.0000	45.9715	45.9715	1.0200e-003	4.8800e-003	47.4513

3.8 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	0.8482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4700e-003	0.0504	0.0748	1.2000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	10.5535	10.5535	5.9000e-004	0.0000	10.5683
Total	0.8556	0.0504	0.0748	1.2000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	10.5535	10.5535	5.9000e-004	0.0000	10.5683

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

3.8 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	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418
Total	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418

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	0.8482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7100e-003	0.0972	0.0757	1.2000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	10.5534	10.5534	5.9000e-004	0.0000	10.5683
Total	0.8529	0.0972	0.0757	1.2000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	10.5534	10.5534	5.9000e-004	0.0000	10.5683

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

3.8 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	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418
Total	3.7100e-003	2.4200e-003	0.0321	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	6.0000e-005	3.3100e-003	0.0000	9.3624	9.3624	2.5000e-004	2.5000e-004	9.4418

3.8 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0400e-003	0.0405	0.0639	1.0000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338
Total	0.7311	0.0405	0.0639	1.0000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338

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3.8 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

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	0.7250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0200e-003	0.0831	0.0648	1.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338
Total	0.7291	0.0831	0.0648	1.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	9.0215	9.0215	4.9000e-004	0.0000	9.0338

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3.8 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

3.9 Finishing/Landscaping - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1200e-003	0.0717	0.1107	1.5000e-004		3.2900e-003	3.2900e-003		3.0300e-003	3.0300e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606
Total	7.1200e-003	0.0717	0.1107	1.5000e-004	0.0000	3.2900e-003	3.2900e-003	0.0000	3.0300e-003	3.0300e-003	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606

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

3.9 Finishing/Landscaping - 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	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255
Total	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2100e-003	0.1488	0.1159	1.5000e-004		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606
Total	7.2100e-003	0.1488	0.1159	1.5000e-004	0.0000	9.0000e-004	9.0000e-004	0.0000	9.0000e-004	9.0000e-004	0.0000	13.5510	13.5510	4.3800e-003	0.0000	13.6606

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

3.9 Finishing/Landscaping - 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	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255
Total	1.9800e-003	1.2900e-003	0.0171	5.0000e-005	6.5200e-003	3.0000e-005	6.5500e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	4.9832	4.9832	1.3000e-004	1.3000e-004	5.0255

3.9 Finishing/Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1061	0.1773	2.5000e-004		4.3000e-003	4.3000e-003		3.9600e-003	3.9600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9608
Total	0.0105	0.1061	0.1773	2.5000e-004	0.0000	4.3000e-003	4.3000e-003	0.0000	3.9600e-003	3.9600e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9608

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

3.9 Finishing/Landscaping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.2390	0.1862	2.5000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9607
Total	0.0116	0.2390	0.1862	2.5000e-004	0.0000	1.4500e-003	1.4500e-003	0.0000	1.4500e-003	1.4500e-003	0.0000	21.7846	21.7846	7.0500e-003	0.0000	21.9607

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

3.9 Finishing/Landscaping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756
Total	2.9800e-003	1.8700e-003	0.0258	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7900e-003	5.0000e-005	2.8300e-003	0.0000	7.8121	7.8121	1.9000e-004	2.0000e-004	7.8756

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, 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	0.2989	0.3053	2.5649	4.9600e-003	0.5432	3.7800e-003	0.5470	0.1451	3.5200e-003	0.1487	0.0000	469.0020	469.0020	0.0341	0.0241	477.0292
Unmitigated	0.3352	0.3720	3.1140	6.4600e-003	0.7150	4.7900e-003	0.7198	0.1910	4.4600e-003	0.1955	0.0000	611.1042	611.1042	0.0398	0.0292	620.8078

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	839.90	839.90	839.90	1,939,839	1,473,808
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	839.90	839.90	839.90	1,939,839	1,473,808

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, Annual

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			
Apartments Mid Rise	715290	66.1813	0.0107	1.3000e-003	66.8357
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	298357	27.6051	4.4700e-003	5.4000e-004	27.8781
Health Club	159683	14.7745	2.3900e-003	2.9000e-004	14.9206
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		108.5609	0.0176	2.1300e-003	109.6344

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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			
Apartments Mid Rise	681932	63.0949	0.0102	1.2400e-003	63.7188
City Park	-2	-0.0002	0.0000	0.0000	-0.0002
Enclosed Parking with Elevator	288757	26.7169	4.3200e-003	5.2000e-004	26.9811
Health Club	153609	14.2125	2.3000e-003	2.8000e-004	14.3531
Other Asphalt Surfaces	-2	-0.0002	0.0000	0.0000	-0.0002
Total		104.0239	0.0168	2.0400e-003	105.0525

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Green Valley 3 Apartments Project - Mitigated - Bay Area AQMD Air District, 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	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Unmitigated	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020

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	0.1573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4269	9.8200e-003	0.5878	1.1700e-003		0.0840	0.0840		0.0840	0.0840	8.4341	3.4643	11.8984	0.0136	5.5000e-004	12.4021
Landscaping	0.0413	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Total	1.5107	0.0256	1.9613	1.2400e-003		0.0917	0.0917		0.0917	0.0917	8.4341	5.7104	14.1445	0.0157	5.5000e-004	14.7020

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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	0.1573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0413	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999
Total	1.0838	0.0158	1.3735	7.0000e-005		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003	0.0000	2.2461	2.2461	2.1500e-003	0.0000	2.2999

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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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	11.7101	0.3460	8.3000e-003	22.8324
Unmitigated	14.0713	0.4324	0.0104	27.9686

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.0535 / 7.59894	12.3193	0.3941	9.4400e-003	24.9861
City Park	0 / 1.75148	0.5672	9.0000e-005	1.0000e-005	0.5728
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	1.16571 / 0.714468	1.1848	0.0381	9.1000e-004	2.4098
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		14.0713	0.4324	0.0104	27.9686

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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			
Apartments Mid Rise	9.6428 / 7.13541	10.1975	0.3154	7.5600e-003	20.3343
City Park	0 / 1.64464	0.5326	9.0000e-005	1.0000e-005	0.5379
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0.932569 / 0.670886	0.9800	0.0305	7.3000e-004	1.9603
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.7101	0.3460	8.3000e-003	22.8324

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.1070	2.3703	0.0000	99.3633
Unmitigated	40.1070	2.3703	0.0000	99.3633

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	85.1	17.2745	1.0209	0.0000	42.7969
City Park	0.13	0.0264	1.5600e-003	0.0000	0.0654
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	112.35	22.8060	1.3478	0.0000	56.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		40.1070	2.3703	0.0000	99.3633

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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			
Apartments Mid Rise	85.1	17.2745	1.0209	0.0000	42.7969
City Park	0.13	0.0264	1.5600e-003	0.0000	0.0654
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	112.35	22.8060	1.3478	0.0000	56.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		40.1070	2.3703	0.0000	99.3633

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
