

APPENDIX 3.3-1
CalEEMod Emission Estimates

Reedley DMV - San Joaquin Valley Unified APCD Air District, Annual

Reedley DMV
San Joaquin Valley Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	13.70	1000sqft	0.31	13,701.00	0
Other Asphalt Surfaces	1.49	Acre	1.49	64,904.40	0
Parking Lot	147.00	Space	1.32	58,800.00	0
City Park	0.38	Acre	0.38	16,552.80	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Includes 33% RPS target by 2020.
- Land Use - Based on project site plan and project description.
- Construction Phase - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - Based on applicant provided information.

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Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 1,069 daily trips from transportation impact analysis.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Watering twice daily.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Energy Mitigation - Project includes a 128 kW solar PV system.

Water Mitigation - No landscaping irrigation proposed. 35% indoor water use reduction per LEED scorecard.

Waste Mitigation - In accordance with AB 341.

Operational Off-Road Equipment -

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Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	13,700.00	13,701.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	63.00	64.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblVehicleTrips	CC_TL	6.60	5.87
tblVehicleTrips	CNW_TL	6.60	5.87
tblVehicleTrips	CW_TL	14.70	5.87
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	0.00	78.03
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	68.93	78.03

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	0.8798	0.6439
2	4-4-2021	7-3-2021	0.7392	0.5951
3	7-4-2021	10-3-2021	0.7474	0.6017
4	10-4-2021	1-3-2022	0.7470	0.6035
5	1-4-2022	4-3-2022	0.9997	0.9412
		Highest	0.9997	0.9412

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003
Energy	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	48.6697	48.6697	2.1000e-003	5.7000e-004	48.8923
Mobile	0.2452	2.6248	1.8684	8.6000e-003	0.4387	7.0500e-003	0.4458	0.1180	6.6500e-003	0.1246	0.0000	800.5757	800.5757	0.0824	0.0000	802.6364
Waste						0.0000	0.0000		0.0000	0.0000	2.5922	0.0000	2.5922	0.1532	0.0000	6.4221
Water						0.0000	0.0000		0.0000	0.0000	0.8635	5.9553	6.8187	0.0890	2.1500e-003	9.6851
Total	0.3201	2.6336	1.8773	8.6500e-003	0.4387	7.7300e-003	0.4465	0.1180	7.3300e-003	0.1253	3.4556	855.2035	858.6592	0.3267	2.7200e-003	867.6389

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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	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003
Energy	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	-5.8101	-5.8101	-0.0006	2.0000e-005	-5.8185
Mobile	0.2424	2.5915	1.8143	8.2900e-003	0.4168	6.7800e-003	0.4236	0.1121	6.3900e-003	0.1185	0.0000	772.5241	772.5241	0.0818	0.0000	774.5684
Waste						0.0000	0.0000		0.0000	0.0000	0.6481	0.0000	0.6481	0.0383	0.0000	1.6055
Water						0.0000	0.0000		0.0000	0.0000	0.5612	2.5737	3.1349	0.0578	1.3900e-003	4.9926
Total	0.3173	2.6002	1.8232	8.3400e-003	0.4168	7.4600e-003	0.4243	0.1121	7.0700e-003	0.1192	1.2093	769.2905	770.4998	0.1773	1.4100e-003	775.3510

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.88	1.27	2.88	3.58	5.00	3.49	4.97	5.00	3.55	4.91	65.01	10.05	10.27	45.74	48.16	10.64

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/8/2021	5	5	
2	Trenching	Trenching	1/4/2021	2/2/2021	5	22	
3	Grading	Grading	1/5/2021	1/14/2021	5	8	
4	Building Construction	Building Construction	1/18/2021	3/11/2022	5	230	
5	Paving	Paving	1/17/2022	3/11/2022	5	18	
6	Architectural Coating	Architectural Coating	1/17/2022	3/11/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 2.81

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,552; Non-Residential Outdoor: 6,851; Striped Parking Area: 7,422 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Trenching	Trenchers	2	8.00	78	0.50

Trips and VMT

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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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	26.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004	5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003		0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.2 Site Preparation - 2021

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	2.4000e-004	1.7000e-004	1.7300e-003	1.0000e-005	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4801	0.4801	1.0000e-005	0.0000	0.4804
Total	2.4000e-004	1.7000e-004	1.7300e-003	1.0000e-005	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4801	0.4801	1.0000e-005	0.0000	0.4804

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					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0477	0.0574	1.0000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	2.3300e-003	0.0477	0.0574	1.0000e-004	0.0203	3.5000e-004	0.0207	0.0112	3.5000e-004	0.0115	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.2 Site Preparation - 2021

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	2.4000e-004	1.7000e-004	1.7300e-003	1.0000e-005	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4801	0.4801	1.0000e-005	0.0000	0.4804
Total	2.4000e-004	1.7000e-004	1.7300e-003	1.0000e-005	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4801	0.4801	1.0000e-005	0.0000	0.4804

3.3 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4100e-003	0.0773	0.0573	7.0000e-005		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	6.5247	6.5247	2.1100e-003	0.0000	6.5775
Total	8.4100e-003	0.0773	0.0573	7.0000e-005		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	6.5247	6.5247	2.1100e-003	0.0000	6.5775

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3.3 Trenching - 2021

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	3.6000e-004	2.5000e-004	2.5300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.7041	0.7041	2.0000e-005	0.0000	0.7046
Total	3.6000e-004	2.5000e-004	2.5300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.7041	0.7041	2.0000e-005	0.0000	0.7046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8200e-003	0.0415	0.0560	7.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.5247	6.5247	2.1100e-003	0.0000	6.5775
Total	1.8200e-003	0.0415	0.0560	7.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.5247	6.5247	2.1100e-003	0.0000	6.5775

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3.3 Trenching - 2021

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	3.6000e-004	2.5000e-004	2.5300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.7041	0.7041	2.0000e-005	0.0000	0.7046
Total	3.6000e-004	2.5000e-004	2.5300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.7041	0.7041	2.0000e-005	0.0000	0.7046

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0262	4.6400e-003	0.0309	0.0135	4.2700e-003	0.0177	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.4 Grading - 2021

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	3.5000e-004	2.4000e-004	2.4600e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6828	0.6828	2.0000e-005	0.0000	0.6832
Total	3.5000e-004	2.4000e-004	2.4600e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6828	0.6828	2.0000e-005	0.0000	0.6832

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					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4800e-003	0.0693	0.0664	1.2000e-004		1.4800e-003	1.4800e-003		1.3900e-003	1.3900e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	4.4800e-003	0.0693	0.0664	1.2000e-004	0.0118	1.4800e-003	0.0133	6.0600e-003	1.3900e-003	7.4500e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.4 Grading - 2021

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	3.5000e-004	2.4000e-004	2.4600e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6828	0.6828	2.0000e-005	0.0000	0.6832
Total	3.5000e-004	2.4000e-004	2.4600e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6828	0.6828	2.0000e-005	0.0000	0.6832

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2376	2.1790	2.0719	3.3600e-003		0.1198	0.1198		0.1127	0.1127	0.0000	289.5466	289.5466	0.0699	0.0000	291.2930
Total	0.2376	2.1790	2.0719	3.3600e-003		0.1198	0.1198		0.1127	0.1127	0.0000	289.5466	289.5466	0.0699	0.0000	291.2930

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3.5 Building Construction - 2021

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	9.9200e-003	0.3447	0.0626	8.5000e-004	0.0195	9.2000e-004	0.0204	5.6300e-003	8.8000e-004	6.5100e-003	0.0000	80.6073	80.6073	6.6000e-003	0.0000	80.7722
Worker	0.0435	0.0303	0.3071	9.4000e-004	0.0995	6.6000e-004	0.1001	0.0264	6.0000e-004	0.0270	0.0000	85.3478	85.3478	2.1800e-003	0.0000	85.4022
Total	0.0534	0.3750	0.3697	1.7900e-003	0.1189	1.5800e-003	0.1205	0.0321	1.4800e-003	0.0335	0.0000	165.9551	165.9551	8.7800e-003	0.0000	166.1744

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	0.0842	1.7783	2.2342	3.3600e-003		0.0169	0.0169		0.0169	0.0169	0.0000	289.5463	289.5463	0.0699	0.0000	291.2926
Total	0.0842	1.7783	2.2342	3.3600e-003		0.0169	0.0169		0.0169	0.0169	0.0000	289.5463	289.5463	0.0699	0.0000	291.2926

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3.5 Building Construction - 2021

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	9.9200e-003	0.3447	0.0626	8.5000e-004	0.0195	9.2000e-004	0.0204	5.6300e-003	8.8000e-004	6.5100e-003	0.0000	80.6073	80.6073	6.6000e-003	0.0000	80.7722
Worker	0.0435	0.0303	0.3071	9.4000e-004	0.0995	6.6000e-004	0.1001	0.0264	6.0000e-004	0.0270	0.0000	85.3478	85.3478	2.1800e-003	0.0000	85.4022
Total	0.0534	0.3750	0.3697	1.7900e-003	0.1189	1.5800e-003	0.1205	0.0321	1.4800e-003	0.0335	0.0000	165.9551	165.9551	8.7800e-003	0.0000	166.1744

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9313	57.9313	0.0139	0.0000	58.2783
Total	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9313	57.9313	0.0139	0.0000	58.2783

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.8400e-003	0.0654	0.0115	1.7000e-004	3.9000e-003	1.6000e-004	4.0600e-003	1.1300e-003	1.5000e-004	1.2800e-003	0.0000	15.9717	15.9717	1.2700e-003	0.0000	16.0035
Worker	8.0600e-003	5.4100e-003	0.0560	1.8000e-004	0.0199	1.3000e-004	0.0200	5.2900e-003	1.2000e-004	5.4000e-003	0.0000	16.4590	16.4590	3.9000e-004	0.0000	16.4687
Total	9.9000e-003	0.0709	0.0676	3.5000e-004	0.0238	2.9000e-004	0.0241	6.4200e-003	2.7000e-004	6.6800e-003	0.0000	32.4308	32.4308	1.6600e-003	0.0000	32.4723

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	0.0169	0.3557	0.4468	6.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	57.9312	57.9312	0.0139	0.0000	58.2782
Total	0.0169	0.3557	0.4468	6.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	57.9312	57.9312	0.0139	0.0000	58.2782

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.8400e-003	0.0654	0.0115	1.7000e-004	3.9000e-003	1.6000e-004	4.0600e-003	1.1300e-003	1.5000e-004	1.2800e-003	0.0000	15.9717	15.9717	1.2700e-003	0.0000	16.0035
Worker	8.0600e-003	5.4100e-003	0.0560	1.8000e-004	0.0199	1.3000e-004	0.0200	5.2900e-003	1.2000e-004	5.4000e-003	0.0000	16.4590	16.4590	3.9000e-004	0.0000	16.4687
Total	9.9000e-003	0.0709	0.0676	3.5000e-004	0.0238	2.9000e-004	0.0241	6.4200e-003	2.7000e-004	6.6800e-003	0.0000	32.4308	32.4308	1.6600e-003	0.0000	32.4723

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0195	0.1904	0.2439	3.8000e-004		9.7500e-003	9.7500e-003		9.0100e-003	9.0100e-003	0.0000	32.7517	32.7517	0.0103	0.0000	33.0090
Paving	8.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0277	0.1904	0.2439	3.8000e-004		9.7500e-003	9.7500e-003		9.0100e-003	9.0100e-003	0.0000	32.7517	32.7517	0.0103	0.0000	33.0090

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3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0200e-003	1.3500e-003	0.0140	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.1148	4.1148	1.0000e-004	0.0000	4.1172
Total	2.0200e-003	1.3500e-003	0.0140	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.1148	4.1148	1.0000e-004	0.0000	4.1172

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	0.0178	0.1916	0.2460	3.8000e-004		8.3200e-003	8.3200e-003		7.7100e-003	7.7100e-003	0.0000	32.7517	32.7517	0.0103	0.0000	33.0090
Paving	8.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0259	0.1916	0.2460	3.8000e-004		8.3200e-003	8.3200e-003		7.7100e-003	7.7100e-003	0.0000	32.7517	32.7517	0.0103	0.0000	33.0090

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3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0200e-003	1.3500e-003	0.0140	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.1148	4.1148	1.0000e-004	0.0000	4.1172
Total	2.0200e-003	1.3500e-003	0.0140	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.1148	4.1148	1.0000e-004	0.0000	4.1172

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.2731	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4100e-003	9.5000e-004	9.8100e-003	3.0000e-005	3.4800e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.5000e-004	0.0000	2.8803	2.8803	7.0000e-005	0.0000	2.8820
Total	1.4100e-003	9.5000e-004	9.8100e-003	3.0000e-005	3.4800e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.5000e-004	0.0000	2.8803	2.8803	7.0000e-005	0.0000	2.8820

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	0.2690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.2731	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4100e-003	9.5000e-004	9.8100e-003	3.0000e-005	3.4800e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.5000e-004	0.0000	2.8803	2.8803	7.0000e-005	0.0000	2.8820
Total	1.4100e-003	9.5000e-004	9.8100e-003	3.0000e-005	3.4800e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.5000e-004	0.0000	2.8803	2.8803	7.0000e-005	0.0000	2.8820

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2424	2.5915	1.8143	8.2900e-003	0.4168	6.7800e-003	0.4236	0.1121	6.3900e-003	0.1185	0.0000	772.5241	772.5241	0.0818	0.0000	774.5684
Unmitigated	0.2452	2.6248	1.8684	8.6000e-003	0.4387	7.0500e-003	0.4458	0.1180	6.6500e-003	0.1246	0.0000	800.5757	800.5757	0.0824	0.0000	802.6364

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Government Office Building	1,069.00	1,069.00	0.00	1,150,655	1,093,122
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,069.00	1,069.00	0.00	1,150,655	1,093,122

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
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Government Office Building	5.87	5.87	5.87	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Government Office Building	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Other Asphalt Surfaces	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Parking Lot	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	-15.3515	-15.3515	-0.0008	-0.0002	-15.4166
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.1284	39.1284	1.9100e-003	4.0000e-004	39.2943
NaturalGas Mitigated	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980
NaturalGas Unmitigated	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government Office Building	178798	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government Office Building	178798	9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.6000e-004	8.7600e-003	7.3600e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5413	9.5413	1.8000e-004	1.7000e-004	9.5980

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	124953	33.5952	1.6400e-003	3.4000e-004	33.7376
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	20580	5.5332	2.7000e-004	6.0000e-005	5.5567
Total		39.1284	1.9100e-003	4.0000e-004	39.2943

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	-50657.8	-13.6200	-0.0007	-0.0001	-13.6777
Government Office Building	74295.4	19.9752	9.8000e-004	2.0000e-004	20.0599
Other Asphalt Surfaces	-50657.8	-13.6200	-0.0007	-0.0001	-13.6777
Parking Lot	-30077.8	-8.0868	-0.0004	-0.0001	-8.1211
Total		-15.3515	-0.0008	-0.0002	-15.4166

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003
Unmitigated	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0121					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003
Total	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003

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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	0.0121					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003
Total	0.0739	1.0000e-005	1.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9000e-003	2.9000e-003	1.0000e-005	0.0000	3.1000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.1349	0.0578	1.3900e-003	4.9926
Unmitigated	6.8187	0.0890	2.1500e-003	9.6851

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.452763	0.4261	2.0000e-005	0.0000	0.4279
Government Office Building	2.72164 / 1.6681	6.3926	0.0890	2.1500e-003	9.2572
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.8187	0.0890	2.1500e-003	9.6851

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Government Office Building	1.76906 / 0	3.1349	0.0578	1.3900e-003	4.9926
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.1349	0.0578	1.3900e-003	4.9926

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.6481	0.0383	0.0000	1.6055
Unmitigated	2.5922	0.1532	0.0000	6.4221

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Government Office Building	12.74	2.5861	0.1528	0.0000	6.4070
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.5922	0.1532	0.0000	6.4221

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.0075	1.5200e-003	9.0000e-005	0.0000	3.7700e-003
Government Office Building	3.185	0.6465	0.0382	0.0000	1.6017
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.6481	0.0383	0.0000	1.6055

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

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

11.0 Vegetation

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

Reedley DMV
San Joaquin Valley Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	13.70	1000sqft	0.31	13,701.00	0
Other Asphalt Surfaces	1.49	Acre	1.49	64,904.40	0
Parking Lot	147.00	Space	1.32	58,800.00	0
City Park	0.38	Acre	0.38	16,552.80	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Includes 33% RPS target by 2020.
- Land Use - Based on project site plan and project description.
- Construction Phase - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - Based on applicant provided information.

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Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 1,069 daily trips from transportation impact analysis.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Watering twice daily.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Energy Mitigation - Project includes a 128 kW solar PV system.

Water Mitigation - No landscaping irrigation proposed. 35% indoor water use reduction per LEED scorecard.

Waste Mitigation - In accordance with AB 341.

Operational Off-Road Equipment -

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Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	13,700.00	13,701.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	63.00	64.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblVehicleTrips	CC_TL	6.60	5.87
tblVehicleTrips	CNW_TL	6.60	5.87
tblVehicleTrips	CW_TL	14.70	5.87
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	0.00	78.03
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	68.93	78.03

2.0 Emissions Summary

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Mobile	1.9259	16.7893	12.3434	0.0582	2.8876	0.0444	2.9320	0.7748	0.0418	0.8166		5,967.2611	5,967.2611	0.5590		5,981.2355
Total	2.3370	16.8375	12.4004	0.0585	2.8876	0.0481	2.9357	0.7748	0.0455	0.8204		6,024.9270	6,024.9270	0.5602	1.0600e-003	6,039.2462

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Mobile	1.9072	16.5868	11.9347	0.0561	2.7432	0.0426	2.7859	0.7361	0.0402	0.7763		5,758.2297	5,758.2297	0.5540		5,772.0802
Total	2.3182	16.6350	11.9917	0.0564	2.7432	0.0464	2.7896	0.7361	0.0439	0.7800		5,815.8955	5,815.8955	0.5552	1.0600e-003	5,830.0910

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.80	1.20	3.30	3.51	5.00	3.56	4.98	5.00	3.56	4.92	0.00	3.47	3.47	0.88	0.00	3.46

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/8/2021	5	5	
2	Trenching	Trenching	1/4/2021	2/2/2021	5	22	
3	Grading	Grading	1/5/2021	1/14/2021	5	8	
4	Building Construction	Building Construction	1/18/2021	3/11/2022	5	230	
5	Paving	Paving	1/17/2022	3/11/2022	5	18	
6	Architectural Coating	Architectural Coating	1/17/2022	3/11/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 2.81

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,552; Non-Residential Outdoor: 6,851; Striped Parking Area: 7,422 (Architectural Coating – sqft)

OffRoad Equipment

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Trenching	Trenchers	2	8.00	78	0.50

Trips and VMT

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	26.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.2 Site Preparation - 2021

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
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
Worker	0.1071	0.0630	0.8167	2.3300e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		232.1980	232.1980	6.0600e-003		232.3495
Total	0.1071	0.0630	0.8167	2.3300e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		232.1980	232.1980	6.0600e-003		232.3495

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.1419	0.1419		0.1419	0.1419	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	0.9312	19.0656	22.9600	0.0380	8.1298	0.1419	8.2717	4.4688	0.1419	4.6107	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.2 Site Preparation - 2021

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
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
Worker	0.1071	0.0630	0.8167	2.3300e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		232.1980	232.1980	6.0600e-003		232.3495
Total	0.1071	0.0630	0.8167	2.3300e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		232.1980	232.1980	6.0600e-003		232.3495

3.3 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7649	7.0242	5.2126	6.7400e-003		0.5100	0.5100		0.4692	0.4692		653.8450	653.8450	0.2115		659.1317
Total	0.7649	7.0242	5.2126	6.7400e-003		0.5100	0.5100		0.4692	0.4692		653.8450	653.8450	0.2115		659.1317

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.3 Trenching - 2021

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
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
Worker	0.0357	0.0210	0.2723	7.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		77.3993	77.3993	2.0200e-003		77.4498
Total	0.0357	0.0210	0.2723	7.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		77.3993	77.3993	2.0200e-003		77.4498

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	0.1651	3.7694	5.0900	6.7400e-003		0.0396	0.0396		0.0396	0.0396	0.0000	653.8450	653.8450	0.2115		659.1317
Total	0.1651	3.7694	5.0900	6.7400e-003		0.0396	0.0396		0.0396	0.0396	0.0000	653.8450	653.8450	0.2115		659.1317

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.3 Trenching - 2021

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
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
Worker	0.0357	0.0210	0.2723	7.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		77.3993	77.3993	2.0200e-003		77.4498
Total	0.0357	0.0210	0.2723	7.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		77.3993	77.3993	2.0200e-003		77.4498

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.4 Grading - 2021

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
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
Worker	0.0952	0.0560	0.7260	2.0700e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		206.3982	206.3982	5.3900e-003		206.5329
Total	0.0952	0.0560	0.7260	2.0700e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		206.3982	206.3982	5.3900e-003		206.5329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.1191	17.3238	16.5958	0.0296		0.3698	0.3698		0.3465	0.3465	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	1.1191	17.3238	16.5958	0.0296	2.9486	0.3698	3.3184	1.5154	0.3465	1.8618	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.4 Grading - 2021

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
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
Worker	0.0952	0.0560	0.7260	2.0700e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		206.3982	206.3982	5.3900e-003		206.5329
Total	0.0952	0.0560	0.7260	2.0700e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		206.3982	206.3982	5.3900e-003		206.5329

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.5 Building Construction - 2021

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
Vendor	0.0778	2.7279	0.4611	6.8900e-003	0.1594	7.2600e-003	0.1667	0.0459	6.9500e-003	0.0529		721.1563	721.1563	0.0551		722.5340
Worker	0.3807	0.2241	2.9040	8.2900e-003	0.8175	5.2500e-003	0.8227	0.2168	4.8300e-003	0.2216		825.5930	825.5930	0.0216		826.1317
Total	0.4585	2.9520	3.3651	0.0152	0.9769	0.0125	0.9894	0.2627	0.0118	0.2745		1,546.7493	1,546.7493	0.0767		1,548.6657

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.5 Building Construction - 2021

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
Vendor	0.0778	2.7279	0.4611	6.8900e-003	0.1594	7.2600e-003	0.1667	0.0459	6.9500e-003	0.0529		721.1563	721.1563	0.0551		722.5340
Worker	0.3807	0.2241	2.9040	8.2900e-003	0.8175	5.2500e-003	0.8227	0.2168	4.8300e-003	0.2216		825.5930	825.5930	0.0216		826.1317
Total	0.4585	2.9520	3.3651	0.0152	0.9769	0.0125	0.9894	0.2627	0.0118	0.2745		1,546.7493	1,546.7493	0.0767		1,548.6657

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0723	2.5916	0.4244	6.8200e-003	0.1594	6.2800e-003	0.1657	0.0459	6.0100e-003	0.0519		714.5250	714.5250	0.0531		715.8524
Worker	0.3527	0.2003	2.6545	7.9900e-003	0.8175	5.0800e-003	0.8226	0.2168	4.6800e-003	0.2215		796.0427	796.0427	0.0192		796.5237
Total	0.4250	2.7919	3.0789	0.0148	0.9769	0.0114	0.9882	0.2627	0.0107	0.2734		1,510.5676	1,510.5676	0.0723		1,512.3762

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0723	2.5916	0.4244	6.8200e-003	0.1594	6.2800e-003	0.1657	0.0459	6.0100e-003	0.0519		714.5250	714.5250	0.0531		715.8524
Worker	0.3527	0.2003	2.6545	7.9900e-003	0.8175	5.0800e-003	0.8226	0.2168	4.6800e-003	0.2215		796.0427	796.0427	0.0192		796.5237
Total	0.4250	2.7919	3.0789	0.0148	0.9769	0.0114	0.9882	0.2627	0.0107	0.2734		1,510.5676	1,510.5676	0.0723		1,512.3762

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.4090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3855	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.1102	0.0626	0.8295	2.5000e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		248.7633	248.7633	6.0100e-003		248.9137
Total	0.1102	0.0626	0.8295	2.5000e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		248.7633	248.7633	6.0100e-003		248.9137

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	0.8878	9.5809	12.2982	0.0189		0.4158	0.4158		0.3857	0.3857	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.4090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2968	9.5809	12.2982	0.0189		0.4158	0.4158		0.3857	0.3857	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.1102	0.0626	0.8295	2.5000e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		248.7633	248.7633	6.0100e-003		248.9137
Total	0.1102	0.0626	0.8295	2.5000e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		248.7633	248.7633	6.0100e-003		248.9137

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4512					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	13.6557	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0772	0.0438	0.5807	1.7500e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		174.1343	174.1343	4.2100e-003		174.2396
Total	0.0772	0.0438	0.5807	1.7500e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		174.1343	174.1343	4.2100e-003		174.2396

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	13.4512					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	13.6557	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0772	0.0438	0.5807	1.7500e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		174.1343	174.1343	4.2100e-003		174.2396
Total	0.0772	0.0438	0.5807	1.7500e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		174.1343	174.1343	4.2100e-003		174.2396

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9072	16.5868	11.9347	0.0561	2.7432	0.0426	2.7859	0.7361	0.0402	0.7763		5,758.2297	5,758.2297	0.5540		5,772.0802
Unmitigated	1.9259	16.7893	12.3434	0.0582	2.8876	0.0444	2.9320	0.7748	0.0418	0.8166		5,967.2611	5,967.2611	0.5590		5,981.2355

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Government Office Building	1,069.00	1,069.00	0.00	1,150,655	1,093,122
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,069.00	1,069.00	0.00	1,150,655	1,093,122

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
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Government Office Building	5.87	5.87	5.87	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Government Office Building	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Other Asphalt Surfaces	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Parking Lot	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
NaturalGas Unmitigated	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Government Office Building	489.858	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

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					
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
Government Office Building	0.489858	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

6.0 Area Detail

6.1 Mitigation Measures Area

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

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	0.0663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3379					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

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	0.0663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3379					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Reedley DMV - San Joaquin Valley Unified APCD Air District, Summer

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

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

Reedley DMV
San Joaquin Valley Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	13.70	1000sqft	0.31	13,701.00	0
Other Asphalt Surfaces	1.49	Acre	1.49	64,904.40	0
Parking Lot	147.00	Space	1.32	58,800.00	0
City Park	0.38	Acre	0.38	16,552.80	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Includes 33% RPS target by 2020.
- Land Use - Based on project site plan and project description.
- Construction Phase - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - Based on applicant provided information.

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 1,069 daily trips from transportation impact analysis.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Watering twice daily.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Energy Mitigation - Project includes a 128 kW solar PV system.

Water Mitigation - No landscaping irrigation proposed. 35% indoor water use reduction per LEED scorecard.

Waste Mitigation - In accordance with AB 341.

Operational Off-Road Equipment -

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	13,700.00	13,701.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	63.00	64.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblVehicleTrips	CC_TL	6.60	5.87
tblVehicleTrips	CNW_TL	6.60	5.87
tblVehicleTrips	CW_TL	14.70	5.87
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	0.00	78.03
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	68.93	78.03

2.0 Emissions Summary

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Mobile	1.4885	16.7375	12.8396	0.0532	2.8876	0.0464	2.9340	0.7748	0.0438	0.8186		5,458.1160	5,458.1160	0.6216		5,473.6561
Total	1.8995	16.7857	12.8965	0.0535	2.8876	0.0502	2.9378	0.7748	0.0475	0.8223		5,515.7819	5,515.7819	0.6228	1.0600e-003	5,531.6668

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Mobile	1.4704	16.5173	12.5071	0.0513	2.7432	0.0447	2.7879	0.7361	0.0422	0.7783		5,263.5928	5,263.5928	0.6170		5,279.0187
Total	1.8815	16.5655	12.5640	0.0516	2.7432	0.0484	2.7917	0.7361	0.0459	0.7820		5,321.2587	5,321.2587	0.6182	1.0600e-003	5,337.0294

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.95	1.31	2.58	3.57	5.00	3.43	4.97	5.00	3.41	4.91	0.00	3.53	3.53	0.73	0.00	3.52

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	1/8/2021	5	5	
2	Trenching	Trenching	1/4/2021	2/2/2021	5	22	
3	Grading	Grading	1/5/2021	1/14/2021	5	8	
4	Building Construction	Building Construction	1/18/2021	3/11/2022	5	230	
5	Paving	Paving	1/17/2022	3/11/2022	5	18	
6	Architectural Coating	Architectural Coating	1/17/2022	3/11/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 2.81

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,552; Non-Residential Outdoor: 6,851; Striped Parking Area: 7,422 (Architectural Coating – sqft)

OffRoad Equipment

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Trenching	Trenchers	2	8.00	78	0.50

Trips and VMT

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	26.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.2 Site Preparation - 2021

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
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
Worker	0.1065	0.0747	0.6701	2.0500e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		204.0709	204.0709	5.2100e-003		204.2012
Total	0.1065	0.0747	0.6701	2.0500e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		204.0709	204.0709	5.2100e-003		204.2012

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.1419	0.1419		0.1419	0.1419	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	0.9312	19.0656	22.9600	0.0380	8.1298	0.1419	8.2717	4.4688	0.1419	4.6107	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.2 Site Preparation - 2021

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
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
Worker	0.1065	0.0747	0.6701	2.0500e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		204.0709	204.0709	5.2100e-003		204.2012
Total	0.1065	0.0747	0.6701	2.0500e-003	0.2299	1.4800e-003	0.2314	0.0610	1.3600e-003	0.0623		204.0709	204.0709	5.2100e-003		204.2012

3.3 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7649	7.0242	5.2126	6.7400e-003		0.5100	0.5100		0.4692	0.4692		653.8450	653.8450	0.2115		659.1317
Total	0.7649	7.0242	5.2126	6.7400e-003		0.5100	0.5100		0.4692	0.4692		653.8450	653.8450	0.2115		659.1317

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.3 Trenching - 2021

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
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
Worker	0.0355	0.0249	0.2234	6.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		68.0236	68.0236	1.7400e-003		68.0671
Total	0.0355	0.0249	0.2234	6.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		68.0236	68.0236	1.7400e-003		68.0671

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	0.1651	3.7694	5.0900	6.7400e-003		0.0396	0.0396		0.0396	0.0396	0.0000	653.8450	653.8450	0.2115		659.1317
Total	0.1651	3.7694	5.0900	6.7400e-003		0.0396	0.0396		0.0396	0.0396	0.0000	653.8450	653.8450	0.2115		659.1317

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.3 Trenching - 2021

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
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
Worker	0.0355	0.0249	0.2234	6.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		68.0236	68.0236	1.7400e-003		68.0671
Total	0.0355	0.0249	0.2234	6.8000e-004	0.0766	4.9000e-004	0.0771	0.0203	4.5000e-004	0.0208		68.0236	68.0236	1.7400e-003		68.0671

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.4 Grading - 2021

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
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
Worker	0.0946	0.0664	0.5956	1.8200e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		181.3964	181.3964	4.6300e-003		181.5122
Total	0.0946	0.0664	0.5956	1.8200e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		181.3964	181.3964	4.6300e-003		181.5122

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.1191	17.3238	16.5958	0.0296		0.3698	0.3698		0.3465	0.3465	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	1.1191	17.3238	16.5958	0.0296	2.9486	0.3698	3.3184	1.5154	0.3465	1.8618	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.4 Grading - 2021

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
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
Worker	0.0946	0.0664	0.5956	1.8200e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		181.3964	181.3964	4.6300e-003		181.5122
Total	0.0946	0.0664	0.5956	1.8200e-003	0.2044	1.3100e-003	0.2057	0.0542	1.2100e-003	0.0554		181.3964	181.3964	4.6300e-003		181.5122

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.5 Building Construction - 2021

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
Vendor	0.0822	2.7475	0.5526	6.6500e-003	0.1594	7.5700e-003	0.1670	0.0459	7.2400e-003	0.0531		696.5878	696.5878	0.0624		698.1466
Worker	0.3785	0.2657	2.3824	7.2800e-003	0.8175	5.2500e-003	0.8227	0.2168	4.8300e-003	0.2216		725.5855	725.5855	0.0185		726.0487
Total	0.4607	3.0133	2.9351	0.0139	0.9769	0.0128	0.9897	0.2627	0.0121	0.2748		1,422.173 2	1,422.173 2	0.0809		1,424.195 3

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.5 Building Construction - 2021

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
Vendor	0.0822	2.7475	0.5526	6.6500e-003	0.1594	7.5700e-003	0.1670	0.0459	7.2400e-003	0.0531		696.5878	696.5878	0.0624		698.1466
Worker	0.3785	0.2657	2.3824	7.2800e-003	0.8175	5.2500e-003	0.8227	0.2168	4.8300e-003	0.2216		725.5855	725.5855	0.0185		726.0487
Total	0.4607	3.0133	2.9351	0.0139	0.9769	0.0128	0.9897	0.2627	0.0121	0.2748		1,422.1732	1,422.1732	0.0809		1,424.1953

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0764	2.6067	0.5099	6.5900e-003	0.1594	6.5700e-003	0.1660	0.0459	6.2800e-003	0.0522		690.0263	690.0263	0.0602		691.5312
Worker	0.3515	0.2374	2.1694	7.0200e-003	0.8175	5.0800e-003	0.8226	0.2168	4.6800e-003	0.2215		699.6369	699.6369	0.0165		700.0500
Total	0.4279	2.8441	2.6793	0.0136	0.9769	0.0117	0.9885	0.2627	0.0110	0.2737		1,389.6632	1,389.6632	0.0767		1,391.5812

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0764	2.6067	0.5099	6.5900e-003	0.1594	6.5700e-003	0.1660	0.0459	6.2800e-003	0.0522		690.0263	690.0263	0.0602		691.5312
Worker	0.3515	0.2374	2.1694	7.0200e-003	0.8175	5.0800e-003	0.8226	0.2168	4.6800e-003	0.2215		699.6369	699.6369	0.0165		700.0500
Total	0.4279	2.8441	2.6793	0.0136	0.9769	0.0117	0.9885	0.2627	0.0110	0.2737		1,389.6632	1,389.6632	0.0767		1,391.5812

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.4090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3855	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.1099	0.0742	0.6779	2.1900e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		218.6365	218.6365	5.1600e-003		218.7656
Total	0.1099	0.0742	0.6779	2.1900e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		218.6365	218.6365	5.1600e-003		218.7656

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	0.8878	9.5809	12.2982	0.0189		0.4158	0.4158		0.3857	0.3857	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.4090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2968	9.5809	12.2982	0.0189		0.4158	0.4158		0.3857	0.3857	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.1099	0.0742	0.6779	2.1900e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		218.6365	218.6365	5.1600e-003		218.7656
Total	0.1099	0.0742	0.6779	2.1900e-003	0.2555	1.5900e-003	0.2571	0.0678	1.4600e-003	0.0692		218.6365	218.6365	5.1600e-003		218.7656

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4512					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	13.6557	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0769	0.0519	0.4746	1.5400e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		153.0456	153.0456	3.6100e-003		153.1359
Total	0.0769	0.0519	0.4746	1.5400e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		153.0456	153.0456	3.6100e-003		153.1359

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	13.4512					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	13.6557	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0769	0.0519	0.4746	1.5400e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		153.0456	153.0456	3.6100e-003		153.1359
Total	0.0769	0.0519	0.4746	1.5400e-003	0.1788	1.1100e-003	0.1799	0.0474	1.0200e-003	0.0485		153.0456	153.0456	3.6100e-003		153.1359

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4704	16.5173	12.5071	0.0513	2.7432	0.0447	2.7879	0.7361	0.0422	0.7783		5,263.5928	5,263.5928	0.6170		5,279.0187
Unmitigated	1.4885	16.7375	12.8396	0.0532	2.8876	0.0464	2.9340	0.7748	0.0438	0.8186		5,458.1160	5,458.1160	0.6216		5,473.6561

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Government Office Building	1,069.00	1,069.00	0.00	1,150,655	1,093,122
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,069.00	1,069.00	0.00	1,150,655	1,093,122

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
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Government Office Building	5.87	5.87	5.87	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Government Office Building	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Other Asphalt Surfaces	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741
Parking Lot	0.511925	0.031902	0.170344	0.119204	0.018408	0.005097	0.021580	0.111258	0.001794	0.001564	0.005229	0.000954	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
NaturalGas Unmitigated	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Government Office Building	489.858	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

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					
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
Government Office Building	0.489858	5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.2800e-003	0.0480	0.0403	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		57.6303	57.6303	1.1000e-003	1.0600e-003	57.9728

6.0 Area Detail

6.1 Mitigation Measures Area

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

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	0.0663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3379					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

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	0.0663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3379					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	0.4058	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Reedley DMV - San Joaquin Valley Unified APCD Air District, Winter

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
