

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

Ceres Gateway - Full Build-Out
Stanislaus County, Winter

Appendix A-3

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant with Drive Thru	4.53	1000sqft	0.91	4,529.00	0
Fast Food Restaurant with Drive Thru	2.42	1000sqft	1.11	2,418.00	0
Fast Food Restaurant with Drive Thru	3.97	1000sqft	1.20	3,974.00	0
Fast Food Restaurant with Drive Thru	2.15	1000sqft	1.47	2,155.00	0
High Turnover (Sit Down Restaurant)	2.03	1000sqft	0.00	2,027.00	0
Strip Mall	6.69	1000sqft	0.00	6,690.00	0
Fast Food Restaurant with Drive Thru	2.60	1000sqft	0.62	2,600.00	0
Fast Food Restaurant with Drive Thru	2.51	1000sqft	0.91	2,512.00	0
Strip Mall	1.50	1000sqft	0.00	1,500.00	0
Convenience Market With Gas Pumps	6.44	1000sqft	1.86	6,437.00	0
Parking Lot	572.00	Space	0.00	0.00	0
Hotel	80.00	Room	2.29	64,000.00	0
Strip Mall	7.50	1000sqft	1.05	7,500.00	0
Strip Mall	7.80	1000sqft	0.75	7,800.00	0
Strip Mall	11.40	1000sqft	1.42	11,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2021
Utility Company	Turlock Irrigation District				

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

CO2 Intensity (lb/MW hr) 790 CH4 Intensity (lb/MW hr) 0.029 N2O Intensity (lb/MW hr) 0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Total project area is 13.66 acres per project Site Plan. Total acreage includes a Freestanding Pylon Sign on 0.07 acres (Parcel 8).

Land Use - Parking lot acreage included all uses (572 parking spaces). Does not include freestanding pylon sign on 0.07 acres (Parcel 8). Lot acreage for High Turnover Restaurant and Strip Mall (2,027 sq.ft. and 6,690 sq. ft.) is included in the 1.47 acres. Lot acreage for Strip Mall (1,500 sq. ft.) is included in the 0.91 acres. Parking lot includes 305 parking spaces - acreage included in each associated land use type.

Construction Phase - No demolition necessary as the site is vacant and undeveloped. Construction values are set to default.

Vehicle Trips - Trip rates based on Trip Generation Analysis by Fehr & Peers, July 2019.

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	4,530.00	4,529.00
tblLandUse	LandUseSquareFeet	2,420.00	2,418.00
tblLandUse	LandUseSquareFeet	3,970.00	3,974.00
tblLandUse	LandUseSquareFeet	2,150.00	2,155.00
tblLandUse	LandUseSquareFeet	2,030.00	2,027.00
tblLandUse	LandUseSquareFeet	2,510.00	2,512.00
tblLandUse	LandUseSquareFeet	6,440.00	6,437.00
tblLandUse	LandUseSquareFeet	228,800.00	0.00
tblLandUse	LandUseSquareFeet	116,160.00	64,000.00
tblLandUse	LotAcreage	0.10	0.91
tblLandUse	LotAcreage	0.06	1.11

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

tblLandUse	LotAcreage	0.09	1.20
tblLandUse	LotAcreage	0.05	1.47
tblLandUse	LotAcreage	0.05	0.00
tblLandUse	LotAcreage	0.15	0.00
tblLandUse	LotAcreage	0.06	0.62
tblLandUse	LotAcreage	0.06	0.91
tblLandUse	LotAcreage	0.03	0.00
tblLandUse	LotAcreage	0.15	1.86
tblLandUse	LotAcreage	5.15	0.00
tblLandUse	LotAcreage	2.67	2.29
tblLandUse	LotAcreage	0.17	1.05
tblLandUse	LotAcreage	0.18	0.75
tblLandUse	LotAcreage	0.26	1.42
tblVehicleTrips	ST_TR	1,448.33	837.58
tblVehicleTrips	ST_TR	722.03	470.95
tblVehicleTrips	ST_TR	42.04	37.75
tblVehicleTrips	ST_TR	8.19	4.09
tblVehicleTrips	SU_TR	1,182.08	837.58
tblVehicleTrips	SU_TR	542.72	470.95
tblVehicleTrips	SU_TR	20.43	37.75
tblVehicleTrips	SU_TR	5.95	4.09
tblVehicleTrips	WD_TR	845.60	837.58
tblVehicleTrips	WD_TR	496.12	470.95
tblVehicleTrips	WD_TR	44.32	37.75
tblVehicleTrips	WD_TR	8.17	4.09

2.0 Emissions Summary

Ceres Gateway - Full Build-Out - Stanislaus County, 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	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665
Energy	0.1863	1.6936	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0373	2,044.4510
Mobile	22.9877	202.5505	186.4038	0.5705	29.8745	0.5750	30.4495	8.0168	0.5422	8.5590		58,348.7131	58,348.7131	7.9907		58,548.4816
Total	26.3457	204.2448	187.8996	0.5807	29.8745	0.7039	30.5785	8.0168	0.6712	8.6880		60,381.2429	60,381.2429	8.0301	0.0373	60,593.0991

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	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665
Energy	0.1863	1.6936	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0373	2,044.4510
Mobile	22.9877	202.5505	186.4038	0.5705	29.8745	0.5750	30.4495	8.0168	0.5422	8.5590		58,348.7131	58,348.7131	7.9907		58,548.4816
Total	26.3457	204.2448	187.8996	0.5807	29.8745	0.7039	30.5785	8.0168	0.6712	8.6880		60,381.2429	60,381.2429	8.0301	0.0373	60,593.0991

Ceres Gateway - Full Build-Out - Stanislaus County, 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2020	3/13/2020	5	10	
2	Grading	Grading	3/14/2020	4/24/2020	5	30	
3	Building Construction	Building Construction	4/25/2020	6/18/2021	5	300	
4	Paving	Paving	6/19/2021	7/16/2021	5	20	
5	Architectural Coating	Architectural Coating	7/17/2021	8/13/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 188,313; Non-Residential Outdoor: 62,771; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	0.48
Grading	Excavators	2	8.00	158	0.38
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
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	49.00	21.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

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	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0861	0.0601	0.5731	1.4200e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		141.0397	141.0397	4.4700e-003		141.1514
Total	0.0861	0.0601	0.5731	1.4200e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		141.0397	141.0397	4.4700e-003		141.1514

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.2 Site Preparation - 2020

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0861	0.0601	0.5731	1.4200e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		141.0397	141.0397	4.4700e-003		141.1514
Total	0.0861	0.0601	0.5731	1.4200e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		141.0397	141.0397	4.4700e-003		141.1514

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.3 Grading - 2020

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

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	0.0957	0.0667	0.6368	1.5700e-003	0.1643	1.2300e-003	0.1655	0.0436	1.1300e-003	0.0447		156.7108	156.7108	4.9600e-003		156.8349
Total	0.0957	0.0667	0.6368	1.5700e-003	0.1643	1.2300e-003	0.1655	0.0436	1.1300e-003	0.0447		156.7108	156.7108	4.9600e-003		156.8349

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.3 Grading - 2020

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	0.0957	0.0667	0.6368	1.5700e-003	0.1643	1.2300e-003	0.1655	0.0436	1.1300e-003	0.0447		156.7108	156.7108	4.9600e-003		156.8349
Total	0.0957	0.0667	0.6368	1.5700e-003	0.1643	1.2300e-003	0.1655	0.0436	1.1300e-003	0.0447		156.7108	156.7108	4.9600e-003		156.8349

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

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	0.0814	2.5622	0.4837	5.8000e-003	0.1421	0.0138	0.1559	0.0409	0.0132	0.0541		608.0704	608.0704	0.0561		609.4728
Worker	0.2345	0.1635	1.5601	3.8600e-003	0.4025	3.0100e-003	0.4055	0.1068	2.7700e-003	0.1095		383.9415	383.9415	0.0122		384.2455
Total	0.3159	2.7257	2.0438	9.6600e-003	0.5447	0.0168	0.5614	0.1477	0.0159	0.1636		992.0119	992.0119	0.0683		993.7182

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

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	0.0814	2.5622	0.4837	5.8000e-003	0.1421	0.0138	0.1559	0.0409	0.0132	0.0541		608.0704	608.0704	0.0561		609.4728
Worker	0.2345	0.1635	1.5601	3.8600e-003	0.4025	3.0100e-003	0.4055	0.1068	2.7700e-003	0.1095		383.9415	383.9415	0.0122		384.2455
Total	0.3159	2.7257	2.0438	9.6600e-003	0.5447	0.0168	0.5614	0.1477	0.0159	0.1636		992.0119	992.0119	0.0683		993.7182

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.4 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

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	0.0662	2.3257	0.4217	5.7500e-003	0.1421	6.4300e-003	0.1486	0.0409	6.1500e-003	0.0471		602.3493	602.3493	0.0543		603.7069
Worker	0.2163	0.1457	1.4187	3.7300e-003	0.4025	2.9200e-003	0.4054	0.1068	2.6900e-003	0.1095		371.8153	371.8153	0.0109		372.0878
Total	0.2825	2.4714	1.8404	9.4800e-003	0.5447	9.3500e-003	0.5540	0.1477	8.8400e-003	0.1565		974.1646	974.1646	0.0652		975.7947

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	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	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.0662	2.3257	0.4217	5.7500e-003	0.1421	6.4300e-003	0.1486	0.0409	6.1500e-003	0.0471		602.3493	602.3493	0.0543		603.7069
Worker	0.2163	0.1457	1.4187	3.7300e-003	0.4025	2.9200e-003	0.4054	0.1068	2.6900e-003	0.1095		371.8153	371.8153	0.0109		372.0878
Total	0.2825	2.4714	1.8404	9.4800e-003	0.5447	9.3500e-003	0.5540	0.1477	8.8400e-003	0.1565		974.1646	974.1646	0.0652		975.7947

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.5 Paving - 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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0662	0.0446	0.4343	1.1400e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		113.8210	113.8210	3.3400e-003		113.9044
Total	0.0662	0.0446	0.4343	1.1400e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		113.8210	113.8210	3.3400e-003		113.9044

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.5 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0662	0.0446	0.4343	1.1400e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		113.8210	113.8210	3.3400e-003		113.9044
Total	0.0662	0.0446	0.4343	1.1400e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		113.8210	113.8210	3.3400e-003		113.9044

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.6 Architectural Coating - 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					
Archit. Coating	87.2831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	87.5020	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.0442	0.0297	0.2895	7.6000e-004	0.0822	6.0000e-004	0.0827	0.0218	5.5000e-004	0.0223		75.8807	75.8807	2.2200e-003		75.9363
Total	0.0442	0.0297	0.2895	7.6000e-004	0.0822	6.0000e-004	0.0827	0.0218	5.5000e-004	0.0223		75.8807	75.8807	2.2200e-003		75.9363

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

3.6 Architectural Coating - 2021

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	87.2831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	87.5020	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.0442	0.0297	0.2895	7.6000e-004	0.0822	6.0000e-004	0.0827	0.0218	5.5000e-004	0.0223		75.8807	75.8807	2.2200e-003		75.9363
Total	0.0442	0.0297	0.2895	7.6000e-004	0.0822	6.0000e-004	0.0827	0.0218	5.5000e-004	0.0223		75.8807	75.8807	2.2200e-003		75.9363

4.0 Operational Detail - Mobile

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.9877	202.5505	186.4038	0.5705	29.8745	0.5750	30.4495	8.0168	0.5422	8.5590		58,348.71 31	58,348.71 31	7.9907		58,548.48 16
Unmitigated	22.9877	202.5505	186.4038	0.5705	29.8745	0.5750	30.4495	8.0168	0.5422	8.5590		58,348.71 31	58,348.71 31	7.9907		58,548.48 16

4.2 Trip Summary Information

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market With Gas Pumps	5,394.02	5,394.02	5394.02	2,893,373	2,893,373
Fast Food Restaurant with Drive Thru	2,133.40	2,133.40	2133.40	1,993,292	1,993,292
Fast Food Restaurant with Drive Thru	1,139.70	1,139.70	1139.70	1,064,849	1,064,849
Fast Food Restaurant with Drive Thru	1,869.67	1,869.67	1869.67	1,746,881	1,746,881
Fast Food Restaurant with Drive Thru	1,012.54	1,012.54	1012.54	946,044	946,044
Fast Food Restaurant with Drive Thru	1,224.47	1,224.47	1224.47	1,144,053	1,144,053
Fast Food Restaurant with Drive Thru	1,182.08	1,182.08	1182.08	1,104,451	1,104,451
High Turnover (Sit Down Restaurant)	258.11	321.49	267.64	311,564	311,564
Strip Mall	252.55	252.55	252.55	388,931	388,931
Strip Mall	56.63	56.63	56.63	87,204	87,204
Strip Mall	283.13	283.13	283.13	436,022	436,022
Strip Mall	294.45	294.45	294.45	453,463	453,463
Strip Mall	430.35	430.35	430.35	662,753	662,753
Parking Lot	0.00	0.00	0.00		
Hotel	327.20	327.20	327.20	621,657	621,657
Total	15,858.30	15,921.67	15,867.82	13,854,538	13,854,538

4.3 Trip Type Information

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

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
Convenience Market With Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market With Gas Pumps	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987
Fast Food Restaurant with Drive Thru	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987
High Turnover (Sit Down Restaurant)	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987
Strip Mall	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987
Parking Lot	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987
Hotel	0.509246	0.034164	0.173036	0.129334	0.024846	0.005682	0.027468	0.086660	0.001831	0.001147	0.004743	0.000856	0.000987

5.0 Energy Detail

Historical Energy Use: N

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1863	1.6936	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0373	2,044.4510
NaturalGas Unmitigated	0.1863	1.6936	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0373	2,044.4510

5.2 Energy by Land Use - NaturalGas

Unmitigated

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market With Gas Pumps	188.701	2.0400e-003	0.0185	0.0155	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.2001	22.2001	4.3000e-004	4.1000e-004	22.3321
Fast Food Restaurant with Drive Thru	1242.34	0.0134	0.1218	0.1023	7.3000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003		146.1580	146.1580	2.8000e-003	2.6800e-003	147.0265
Fast Food Restaurant with Drive Thru	1393.96	0.0150	0.1367	0.1148	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.9954	163.9954	3.1400e-003	3.0100e-003	164.9699
Fast Food Restaurant with Drive Thru	1448.15	0.0156	0.1420	0.1193	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.3707	170.3707	3.2700e-003	3.1200e-003	171.3831
Fast Food Restaurant with Drive Thru	1498.88	0.0162	0.1470	0.1234	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.3391	176.3391	3.3800e-003	3.2300e-003	177.3870
Fast Food Restaurant with Drive Thru	2290.98	0.0247	0.2246	0.1887	1.3500e-003		0.0171	0.0171		0.0171	0.0171		269.5275	269.5275	5.1700e-003	4.9400e-003	271.1292
Fast Food Restaurant with Drive Thru	2610.94	0.0282	0.2560	0.2150	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.1691	307.1691	5.8900e-003	5.6300e-003	308.9945
High Turnover (Sit Down Restaurant)	1168.55	0.0126	0.1146	0.0962	6.9000e-004		8.7100e-003	8.7100e-003		8.7100e-003	8.7100e-003		137.4767	137.4767	2.6300e-003	2.5200e-003	138.2936
Hotel	4409.86	0.0476	0.4323	0.3632	2.5900e-003		0.0329	0.0329		0.0329	0.0329		518.8074	518.8074	9.9400e-003	9.5100e-003	521.8904
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	196.118	2.1100e-003	0.0192	0.0162	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003		23.0727	23.0727	4.4000e-004	4.2000e-004	23.2098
Strip Mall	219.863	2.3700e-003	0.0216	0.0181	1.3000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003		25.8662	25.8662	5.0000e-004	4.7000e-004	26.0200
Strip Mall	228.658	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003		26.9009	26.9009	5.2000e-004	4.9000e-004	27.0607
Strip Mall	334.192	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3167	39.3167	7.5000e-004	7.2000e-004	39.5503
Strip Mall	43.9726	4.7000e-004	4.3100e-003	3.6200e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		5.1733	5.1733	1.0000e-004	9.0000e-005	5.2040
Total		0.1863	1.6937	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0372	2,044.4510

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market With Gas Pumps	0.188701	2.0400e-003	0.0185	0.0155	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.2001	22.2001	4.3000e-004	4.1000e-004	22.3321
Fast Food Restaurant with Drive Thru	1.39396	0.0150	0.1367	0.1148	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.9954	163.9954	3.1400e-003	3.0100e-003	164.9699
Fast Food Restaurant with Drive Thru	1.44815	0.0156	0.1420	0.1193	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.3707	170.3707	3.2700e-003	3.1200e-003	171.3831
Fast Food Restaurant with Drive Thru	1.49888	0.0162	0.1470	0.1234	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.3391	176.3391	3.3800e-003	3.2300e-003	177.3870
Fast Food Restaurant with Drive Thru	2.29098	0.0247	0.2246	0.1887	1.3500e-003		0.0171	0.0171		0.0171	0.0171		269.5275	269.5275	5.1700e-003	4.9400e-003	271.1292
Fast Food Restaurant with Drive Thru	2.61094	0.0282	0.2560	0.2150	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.1691	307.1691	5.8900e-003	5.6300e-003	308.9945
Fast Food Restaurant with Drive Thru	1.24234	0.0134	0.1218	0.1023	7.3000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003		146.1580	146.1580	2.8000e-003	2.6800e-003	147.0265
High Turnover (Sit Down Restaurant)	1.16855	0.0126	0.1146	0.0962	6.9000e-004		8.7100e-003	8.7100e-003		8.7100e-003	8.7100e-003		137.4767	137.4767	2.6300e-003	2.5200e-003	138.2936
Hotel	4.40986	0.0476	0.4323	0.3632	2.5900e-003		0.0329	0.0329		0.0329	0.0329		518.8074	518.8074	9.9400e-003	9.5100e-003	521.8904
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0439726	4.7000e-004	4.3100e-003	3.6200e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		5.1733	5.1733	1.0000e-004	9.0000e-005	5.2040
Strip Mall	0.196118	2.1100e-003	0.0192	0.0162	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003		23.0727	23.0727	4.4000e-004	4.2000e-004	23.2098
Strip Mall	0.219863	2.3700e-003	0.0216	0.0181	1.3000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003		25.8662	25.8662	5.0000e-004	4.7000e-004	26.0200
Strip Mall	0.228658	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003		26.9009	26.9009	5.2000e-004	4.9000e-004	27.0607
Strip Mall	0.334192	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3167	39.3167	7.5000e-004	7.2000e-004	39.5503
Total		0.1863	1.6937	1.4227	0.0102		0.1287	0.1287		0.1287	0.1287		2,032.3736	2,032.3736	0.0390	0.0372	2,044.4510

6.0 Area Detail

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665
Unmitigated	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665

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	0.4783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6866					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8300e-003	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665
Total	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665

Ceres Gateway - Full Build-Out - Stanislaus County, 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	0.4783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6866					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8300e-003	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665
Total	3.1717	6.7000e-004	0.0731	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1562	0.1562	4.1000e-004		0.1665

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Ceres Gateway - Full Build-Out - Stanislaus County, Winter

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
