

New Castle Fire Station
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.50	1000sqft	0.42	18,500.00	3
Parking Lot	10.00	Space	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2014
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Fire Station
3 employees on average

Construction Phase - Construction Phase - Pre Fabbed Building

Client Comments: Grading/Land Prep= 3 week period

Land Prep: 1 Week

Grading: 2 weeks

Construction= 6 months

Paving: 1 week

Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

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Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

Grading - Import, grade and compact 13,500 cy

Calculates Land Prep and Grading Only.

Trips and VMT - 544 dump trucks visiting the site

Architectural Coating - Prefabbed Building

Vehicle Trips - 2 times per day, 7 days per week

3 mile radius

Vehicle Emission Factors - Fire Truck 2 times per day, 7 days per week

3 mile radius

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	0.00	1.10
tblGrading	AcresOfGrading	0.50	1.20
tblGrading	MaterialImported	0.00	13,500.00
tblLandUse	Population	0.00	3.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	1,688.00	750.00
tblTripsAndVMT	HaulingTripNumber	0.00	102.00
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblVehicleEF	HHD	0.04	0.25
tblVehicleEF	LDA	0.44	0.75
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT2	0.19	0.00
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD2	8.8820e-003	0.00
tblVehicleEF	MCY	8.3940e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.8180e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	1.8050e-003	0.00
tblVehicleEF	SBUS	5.6700e-004	0.00
tblVehicleEF	UBUS	1.0630e-003	0.00
tblVehicleTrips	ST_TR	2.37	2.00
tblVehicleTrips	SU_TR	0.98	2.00
tblVehicleTrips	WD_TR	11.01	2.00

2.0 Emissions Summary

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	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003
Energy	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866
Mobile	0.1863	0.4458	1.7563	2.9400e-003	0.1876	6.8900e-003	0.1945	0.0501	6.3300e-003	0.0564		272.0509	272.0509	0.0109		272.2800
Total	0.7958	0.5318	1.8315	3.4600e-003	0.1876	0.0134	0.2010	0.0501	0.0129	0.0630		375.2158	375.2158	0.0129	1.8900e-003	376.0732

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	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003
Energy	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866
Mobile	0.1863	0.4458	1.7563	2.9400e-003	0.1876	6.8900e-003	0.1945	0.0501	6.3300e-003	0.0564		272.0509	272.0509	0.0109		272.2800
Total	0.7958	0.5318	1.8315	3.4600e-003	0.1876	0.0134	0.2010	0.0501	0.0129	0.0630		375.2158	375.2158	0.0129	1.8900e-003	376.0732

	ROG	NOx	CO	SO2	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	1/1/2015	1/1/2015	5	1	
2	Grading	Grading	1/2/2015	1/5/2015	5	2	
3	Building Construction	Building Construction	1/6/2015	5/25/2015	5	100	
4	Paving	Paving	5/26/2015	6/1/2015	5	5	

Acres of Grading (Site Preparation Phase): 1.2

Acres of Grading (Grading Phase): 1.1

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	750.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	4.00	102.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	35.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2726	0.0000	1.2726	0.1374	0.0000	0.1374			0.0000			0.0000
Off-Road	1.4222	14.2999	7.4063	9.3600e-003		0.8797	0.8797		0.8093	0.8093		984.5542	984.5542	0.2939		990.7267
Total	1.4222	14.2999	7.4063	9.3600e-003	1.2726	0.8797	2.1523	0.1374	0.8093	0.9467		984.5542	984.5542	0.2939		990.7267

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	0.2637	3.1074	2.3547	7.5100e-003	0.1744	0.0548	0.2292	0.0478	0.0504	0.0981		764.2250	764.2250	6.2700e-003		764.3567
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	0.0215	0.0201	0.2622	5.1000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6079	43.6079	2.0100e-003		43.6500
Total	0.2852	3.1275	2.6169	8.0200e-003	0.2155	0.0551	0.2705	0.0587	0.0506	0.1093		807.8329	807.8329	8.2800e-003		808.0067

3.2 Site Preparation - 2015**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					1.2726	0.0000	1.2726	0.1374	0.0000	0.1374			0.0000			0.0000
Off-Road	1.4222	14.2999	7.4063	9.3600e-003		0.8797	0.8797		0.8093	0.8093	0.0000	984.5542	984.5542	0.2939		990.7267
Total	1.4222	14.2999	7.4063	9.3600e-003	1.2726	0.8797	2.1523	0.1374	0.8093	0.9467	0.0000	984.5542	984.5542	0.2939		990.7267

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	0.2637	3.1074	2.3547	7.5100e-003	0.1744	0.0548	0.2292	0.0478	0.0504	0.0981		764.2250	764.2250	6.2700e-003		764.3567
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	0.0215	0.0201	0.2622	5.1000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.6000e-004	0.0112		43.6079	43.6079	2.0100e-003		43.6500
Total	0.2852	3.1275	2.6169	8.0200e-003	0.2155	0.0551	0.2705	0.0587	0.0506	0.1093		807.8329	807.8329	8.2800e-003		808.0067

3.3 Grading - 2015

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					2.0994	0.0000	2.0994	0.5924	0.0000	0.5924			0.0000			0.0000
Off-Road	1.4120	11.9409	8.8138	0.0120		0.8748	0.8748		0.8359	0.8359		1,200.6386	1,200.6386	0.2451		1,205.7861
Total	1.4120	11.9409	8.8138	0.0120	2.0994	0.8748	2.9742	0.5924	0.8359	1.4282		1,200.6386	1,200.6386	0.2451		1,205.7861

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	9.8895	116.5276	88.3004	0.2816	6.5399	2.0541	8.5940	1.7911	1.8889	3.6800		28,658.4386	28,658.4386	0.2352		28,663.3770
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	0.0430	0.0403	0.5244	1.0200e-003	0.0822	5.7000e-004	0.0827	0.0218	5.2000e-004	0.0223		87.2157	87.2157	4.0100e-003		87.3000
Total	9.9325	116.5679	88.8248	0.2827	6.6220	2.0546	8.6767	1.8129	1.8894	3.7023		28,745.6543	28,745.6543	0.2392		28,750.6771

3.3 Grading - 2015

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					2.0994	0.0000	2.0994	0.5924	0.0000	0.5924			0.0000			0.0000
Off-Road	1.4120	11.9409	8.8138	0.0120		0.8748	0.8748		0.8359	0.8359	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861
Total	1.4120	11.9409	8.8138	0.0120	2.0994	0.8748	2.9742	0.5924	0.8359	1.4282	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861

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	9.8895	116.5276	88.3004	0.2816	6.5399	2.0541	8.5940	1.7911	1.8889	3.6800		28,658.4386	28,658.4386	0.2352		28,663.3770
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	0.0430	0.0403	0.5244	1.0200e-003	0.0822	5.7000e-004	0.0827	0.0218	5.2000e-004	0.0223		87.2157	87.2157	4.0100e-003		87.3000
Total	9.9325	116.5679	88.8248	0.2827	6.6220	2.0546	8.6767	1.8129	1.8894	3.7023		28,745.6543	28,745.6543	0.2392		28,750.6771

3.4 Building Construction - 2015**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	1.4538	14.3777	8.2983	0.0113		0.9995	0.9995		0.9195	0.9195		1,191.702 1	1,191.702 1	0.3558		1,199.173 3
Total	1.4538	14.3777	8.2983	0.0113		0.9995	0.9995		0.9195	0.9195		1,191.702 1	1,191.702 1	0.3558		1,199.173 3

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	0.0269	0.3170	0.2402	7.7000e-004	0.0178	5.5900e-003	0.0234	4.8700e-003	5.1400e-003	0.0100		77.9510	77.9510	6.4000e-004		77.9644
Vendor	0.0550	0.4322	0.5130	9.6000e-004	0.0266	7.8100e-003	0.0344	7.6000e-003	7.1800e-003	0.0148		96.9842	96.9842	8.7000e-004		97.0024
Worker	0.0344	0.0322	0.4196	8.2000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		69.7726	69.7726	3.2100e-003		69.8400
Total	0.1163	0.7814	1.1727	2.5500e-003	0.1101	0.0139	0.1240	0.0299	0.0127	0.0426		244.7078	244.7078	4.7200e-003		244.8068

3.4 Building Construction - 2015

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	1.4538	14.3777	8.2983	0.0113		0.9995	0.9995		0.9195	0.9195	0.0000	1,191.702 1	1,191.702 1	0.3558		1,199.173 3
Total	1.4538	14.3777	8.2983	0.0113		0.9995	0.9995		0.9195	0.9195	0.0000	1,191.702 1	1,191.702 1	0.3558		1,199.173 3

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	0.0269	0.3170	0.2402	7.7000e-004	0.0178	5.5900e-003	0.0234	4.8700e-003	5.1400e-003	0.0100		77.9510	77.9510	6.4000e-004		77.9644
Vendor	0.0550	0.4322	0.5130	9.6000e-004	0.0266	7.8100e-003	0.0344	7.6000e-003	7.1800e-003	0.0148		96.9842	96.9842	8.7000e-004		97.0024
Worker	0.0344	0.0322	0.4196	8.2000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		69.7726	69.7726	3.2100e-003		69.8400
Total	0.1163	0.7814	1.1727	2.5500e-003	0.1101	0.0139	0.1240	0.0299	0.0127	0.0426		244.7078	244.7078	4.7200e-003		244.8068

3.5 Paving - 2015

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	1.2092	11.5427	7.3586	0.0111		0.7247	0.7247		0.6703	0.6703		1,093.5433	1,093.5433	0.2970		1,099.7794
Paving	0.0472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2564	11.5427	7.3586	0.0111		0.7247	0.7247		0.6703	0.6703		1,093.5433	1,093.5433	0.2970		1,099.7794

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	0.1846	2.1752	1.6483	5.2600e-003	0.1221	0.0383	0.1604	0.0334	0.0353	0.0687		534.9575	534.9575	4.3900e-003		535.0497
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	0.0774	0.0725	0.9440	1.8400e-003	0.1479	1.0300e-003	0.1489	0.0392	9.4000e-004	0.0402		156.9883	156.9883	7.2300e-003		157.1401
Total	0.2620	2.2477	2.5923	7.1000e-003	0.2700	0.0394	0.3093	0.0727	0.0362	0.1089		691.9458	691.9458	0.0116		692.1898

3.5 Paving - 2015

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	1.2092	11.5427	7.3586	0.0111		0.7247	0.7247		0.6703	0.6703	0.0000	1,093.5433	1,093.5433	0.2970		1,099.7794
Paving	0.0472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2564	11.5427	7.3586	0.0111		0.7247	0.7247		0.6703	0.6703	0.0000	1,093.5433	1,093.5433	0.2970		1,099.7794

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	0.1846	2.1752	1.6483	5.2600e-003	0.1221	0.0383	0.1604	0.0334	0.0353	0.0687		534.9575	534.9575	4.3900e-003		535.0497
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	0.0774	0.0725	0.9440	1.8400e-003	0.1479	1.0300e-003	0.1489	0.0392	9.4000e-004	0.0402		156.9883	156.9883	7.2300e-003		157.1401
Total	0.2620	2.2477	2.5923	7.1000e-003	0.2700	0.0394	0.3093	0.0727	0.0362	0.1089		691.9458	691.9458	0.0116		692.1898

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1863	0.4458	1.7563	2.9400e-003	0.1876	6.8900e-003	0.1945	0.0501	6.3300e-003	0.0564		272.0509	272.0509	0.0109		272.2800
Unmitigated	0.1863	0.4458	1.7563	2.9400e-003	0.1876	6.8900e-003	0.1945	0.0501	6.3300e-003	0.0564		272.0509	272.0509	0.0109		272.2800

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	37.00	37.00	37.00	88,421	88,421
Parking Lot	0.00	0.00	0.00		
Total	37.00	37.00	37.00	88,421	88,421

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.435933	0.064283	0.188932	0.172713	0.065635	0.008882	0.012354	0.035619	0.001805	0.001063	0.008394	0.000567	0.003818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866
NaturalGas Unmitigated	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866

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					
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
General Office Building	876.849	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866
Total		9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866

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					
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
General Office Building	0.876849	9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866
Total		9.4600e-003	0.0860	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1587	103.1587	1.9800e-003	1.8900e-003	103.7866

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003
Unmitigated	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-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	lb/day										lb/day					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003
Total	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003

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	0.1182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003
Total	0.6000	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2400e-003	6.2400e-003	2.0000e-005		6.6300e-003

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 Vegetation
