

**Placer County Government Center - Existing Health and Human Services
Placer County 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	107.08	1000sqft	2.46	107,075.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	499.66	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PCGC - Project Level. PCAPCD. Adjusted RPS to meet 33% RPS.
- Land Use - Existing Health and Human Services Building (107,075 sf) default acreage assumed.
- Construction Phase - Modeling operations
- Off-road Equipment - Default equipment assumed
- Off-road Equipment - Modeling operations
- Trips and VMT - Modeling operations
- On-road Fugitive Dust - Modeling operations
- Demolition - Modeling operations

Grading - Modeling operations

Architectural Coating - Modeling operations

Vehicle Trips - Update trip rate to meet trips presented in traffic report (Fehr and Peers)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	0.00
tblGrading	AcresOfGrading	0.00	4.50
tblLandUse	LandUseSquareFeet	107,080.00	107,075.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	68.93	31.68

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	tons/yr										MT/yr					
Area	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003
Energy	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	398.4962	398.4962	0.0187	5.5100e-003	400.6051
Mobile	0.6864	4.7020	7.0650	0.0252	1.7840	0.0226	1.8066	0.4799	0.0213	0.5012	0.0000	2,322.8113	2,322.8113	0.1049	0.0000	2,325.4341
Waste						0.0000	0.0000		0.0000	0.0000	20.2138	0.0000	20.2138	1.1946	0.0000	50.0789
Water						0.0000	0.0000		0.0000	0.0000	6.7488	36.4300	43.1788	0.6953	0.0168	65.5685
Total	1.1659	4.8072	7.1543	0.0259	1.7840	0.0306	1.8146	0.4799	0.0293	0.5092	26.9626	2,757.7395	2,784.7021	2.0135	0.0223	2,841.6887

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	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003
Energy	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	398.4962	398.4962	0.0187	5.5100e-003	400.6051
Mobile	0.6864	4.7020	7.0650	0.0252	1.7840	0.0226	1.8066	0.4799	0.0213	0.5012	0.0000	2,322.8113	2,322.8113	0.1049	0.0000	2,325.4341
Waste						0.0000	0.0000		0.0000	0.0000	20.2138	0.0000	20.2138	1.1946	0.0000	50.0789
Water						0.0000	0.0000		0.0000	0.0000	6.7488	36.4300	43.1788	0.6953	0.0168	65.5685
Total	1.1659	4.8072	7.1543	0.0259	1.7840	0.0306	1.8146	0.4799	0.0293	0.5092	26.9626	2,757.7395	2,784.7021	2.0135	0.0223	2,841.6887

	ROG	NOx	CO	SO2	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

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	tons/yr										MT/yr					
Mitigated	0.6864	4.7020	7.0650	0.0252	1.7840	0.0226	1.8066	0.4799	0.0213	0.5012	0.0000	2,322.8113	2,322.8113	0.1049	0.0000	2,325.4341
Unmitigated	0.6864	4.7020	7.0650	0.0252	1.7840	0.0226	1.8066	0.4799	0.0213	0.5012	0.0000	2,322.8113	2,322.8113	0.1049	0.0000	2,325.4341

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	3,392.29	0.00	0.00	4,798,683	4,798,683
Total	3,392.29	0.00	0.00	4,798,683	4,798,683

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.494811	0.040252	0.220236	0.128508	0.023782	0.006284	0.029295	0.046215	0.001446	0.001205	0.005961	0.000773	0.001232

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	283.9320	283.9320	0.0165	3.4100e-003	285.3600
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	283.9320	283.9320	0.0165	3.4100e-003	285.3600
NaturalGas Mitigated	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451
NaturalGas Unmitigated	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451

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					
Government Office Building	2.14685e+006	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451
Total		0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451

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					
Government Office Building	2.14685e+006	0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451
Total		0.0116	0.1052	0.0884	6.3000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	114.5643	114.5643	2.2000e-003	2.1000e-003	115.2451

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	1.25278e+006	283.9320	0.0165	3.4100e-003	285.3600
Total		283.9320	0.0165	3.4100e-003	285.3600

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	1.25278e+006	283.9320	0.0165	3.4100e-003	285.3600
Total		283.9320	0.0165	3.4100e-003	285.3600

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	tons/yr										MT/yr					
Mitigated	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003
Unmitigated	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-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	0.0496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003
Total	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003

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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	0.0496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003
Total	0.4679	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9100e-003	1.9100e-003	1.0000e-005	0.0000	2.0400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	43.1788	0.6953	0.0168	65.5685
Unmitigated	43.1788	0.6953	0.0168	65.5685

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	21.2725 / 13.038	43.1788	0.6953	0.0168	65.5685
Total		43.1788	0.6953	0.0168	65.5685

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	21.2725 / 13.038	43.1788	0.6953	0.0168	65.5685
Total		43.1788	0.6953	0.0168	65.5685

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.2138	1.1946	0.0000	50.0789
Unmitigated	20.2138	1.1946	0.0000	50.0789

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	99.58	20.2138	1.1946	0.0000	50.0789
Total		20.2138	1.1946	0.0000	50.0789

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	99.58	20.2138	1.1946	0.0000	50.0789
Total		20.2138	1.1946	0.0000	50.0789

**Placer County Government Center - Existing Health and Human Services
Placer County 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	107.08	1000sqft	2.46	107,075.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	499.66	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PCGC - Project Level. PCAPCD. Adjusted RPS to meet 33% RPS.

Land Use - Existing Health and Human Services Building (107,075 sf) default acreage assumed.

Construction Phase - Modeling operations

Off-road Equipment - Default equipment assumed

Off-road Equipment - Modeling operations

Trips and VMT - Modeling operations

On-road Fugitive Dust - Modeling operations

Demolition - Modeling operations

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Grading - Modeling operations

Architectural Coating - Modeling operations

Vehicle Trips - Update trip rate to meet trips presented in traffic report (Fehr and Peers)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	0.00
tblGrading	AcresOfGrading	0.00	4.50
tblLandUse	LandUseSquareFeet	107,080.00	107,075.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	68.93	31.68

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	6.4487	35.3256	56.9180	0.2067	14.3411	0.1726	14.5136	3.8433	0.1622	4.0055		20,960.40	20,960.402	0.8768		20,982.32
												21	1			21
Unmitigated	6.4487	35.3256	56.9180	0.2067	14.3411	0.1726	14.5136	3.8433	0.1622	4.0055		20,960.40	20,960.402	0.8768		20,982.32
												21	1			21

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	3,392.29	0.00	0.00	4,798,683	4,798,683
Total	3,392.29	0.00	0.00	4,798,683	4,798,683

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.494811	0.040252	0.220236	0.128508	0.023782	0.006284	0.029295	0.046215	0.001446	0.001205	0.005961	0.000773	0.001232

5.0 Energy Detail

Historical Energy Use: Y

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	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875
NaturalGas Unmitigated	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875

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					
Government Office Building	5881.79	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875
Total		0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875

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Mitigated

	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						
Government Office Building	5.88179	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438			691.9754	691.9754	0.0133	0.0127	696.0875
Total		0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438			691.9754	691.9754	0.0133	0.0127	696.0875

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	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0234	0.0234	6.0000e-005	0.0250
Unmitigated	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0234	0.0234	6.0000e-005	0.0250

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	0.2719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2914					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250
Total	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250

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	0.2719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2914					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250
Total	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250

**Placer County Government Center - Existing Health and Human Services
Placer County 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	107.08	1000sqft	2.46	107,075.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	499.66	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PCGC - Project Level. PCAPCD. Adjusted RPS to meet 33% RPS.
- Land Use - Existing Health and Human Services Building (107,075 sf) default acreage assumed.
- Construction Phase - Modeling operations
- Off-road Equipment - Default equipment assumed
- Off-road Equipment - Modeling operations
- Trips and VMT - Modeling operations
- On-road Fugitive Dust - Modeling operations
- Demolition - Modeling operations

Grading - Modeling operations

Architectural Coating - Modeling operations

Vehicle Trips - Update trip rate to meet trips presented in traffic report (Fehr and Peers)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	0.00
tblGrading	AcresOfGrading	0.00	4.50
tblLandUse	LandUseSquareFeet	107,080.00	107,075.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	68.93	31.68

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	5.1074	36.4459	57.3537	0.1898	14.3411	0.1763	14.5174	3.8433	0.1658	4.0091		19,249.15	19,249.159	0.9299		19,272.40
												91	1			70
Unmitigated	5.1074	36.4459	57.3537	0.1898	14.3411	0.1763	14.5174	3.8433	0.1658	4.0091		19,249.15	19,249.159	0.9299		19,272.40
												91	1			70

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	3,392.29	0.00	0.00	4,798,683	4,798,683
Total	3,392.29	0.00	0.00	4,798,683	4,798,683

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.494811	0.040252	0.220236	0.128508	0.023782	0.006284	0.029295	0.046215	0.001446	0.001205	0.005961	0.000773	0.001232

5.0 Energy Detail

Historical Energy Use: Y

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	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875
NaturalGas Unmitigated	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875

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					
Government Office Building	5881.79	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875
Total		0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438		691.9754	691.9754	0.0133	0.0127	696.0875

Mitigated

	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						
Government Office Building	5.88179	0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438			691.9754	691.9754	0.0133	0.0127	696.0875
Total		0.0634	0.5767	0.4844	3.4600e-003		0.0438	0.0438		0.0438	0.0438			691.9754	691.9754	0.0133	0.0127	696.0875

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	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0234	0.0234	6.0000e-005	0.0250
Unmitigated	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0234	0.0234	6.0000e-005	0.0250

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	0.2719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2914					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250
Total	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250

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	0.2719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2914					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250
Total	2.5644	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0234	0.0234	6.0000e-005		0.0250