

**APPENDIX G – GREENHOUSE GAS EMISSIONS
MODEL DATA OUTPUT**

Civic Center Aquatics Complex - Earthwork & Underground Work Construction Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	0.00	1000sqft	57.30	2,495,988.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site + overflow parking lot = 57.3 acres

Off-road Equipment - Equipment list provided by Project applicant

Grading - Project site + overflow parking lot = 57.3 acres

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	495.00	57.30
tblLandUse	LandUseSquareFeet	0.00	2,495,988.00
tblLandUse	LotAcreage	0.00	57.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.5009	5.8441	3.7083	4.7900e-003	0.1601	0.2643	0.4244	0.0720	0.2432	0.3151	0.0000	454.2249	454.2249	0.1335	0.0000	457.0291
Total	0.5009	5.8441	3.7083	4.7900e-003	0.1601	0.2643	0.4244	0.0720	0.2432	0.3151	0.0000	454.2249	454.2249	0.1335	0.0000	457.0291

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.5003	5.8371	3.7039	4.7800e-003	0.0771	0.2640	0.3411	0.0337	0.2429	0.2766	0.0000	453.6947	453.6947	0.1334	0.0000	456.4956
Total	0.5003	5.8371	3.7039	4.7800e-003	0.0771	0.2640	0.3411	0.0337	0.2429	0.2766	0.0000	453.6947	453.6947	0.1334	0.0000	456.4956

	ROG	NOx	CO	SO2	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	0.1138	0.1189	0.1170	0.2088	51.8178	0.1173	19.6216	53.1202	0.1193	12.2183	0.0000	0.1167	0.1167	0.1198	0.0000	0.1167

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	4/9/2015	6/3/2015	5	40	
2	Grading	Grading	6/4/2015	11/4/2015	5	110	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	4	8.00	361	0.48

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	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Preparation - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive 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					0.1204	0.0000	0.1204	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4250	0.3166	3.0000e-004		0.0242	0.0242		0.0222	0.0222	0.0000	28.8286	28.8286	8.6100e-003	0.0000	29.0094
Total	0.0399	0.4250	0.3166	3.0000e-004	0.1204	0.0242	0.1446	0.0662	0.0222	0.0884	0.0000	28.8286	28.8286	8.6100e-003	0.0000	29.0094

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	2.4700e-003	7.2000e-004	7.5200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0886	1.0886	6.0000e-005	0.0000	1.0899
Total	2.4700e-003	7.2000e-004	7.5200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0886	1.0886	6.0000e-005	0.0000	1.0899

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					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0398	0.4245	0.3162	3.0000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	28.7943	28.7943	8.6000e-003	0.0000	28.9749
Total	0.0398	0.4245	0.3162	3.0000e-004	0.0542	0.0241	0.0783	0.0298	0.0222	0.0520	0.0000	28.7943	28.7943	8.6000e-003	0.0000	28.9749

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	2.4700e-003	7.2000e-004	7.5200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0886	1.0886	6.0000e-005	0.0000	1.0899
Total	2.4700e-003	7.2000e-004	7.5200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0886	1.0886	6.0000e-005	0.0000	1.0899

3.3 Grading - 2015

Unmitigated Construction On-Site

Acres of Grading: 57.3

	ROG	NOx	CO	SO2	Fugitive 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					0.0304	0.0000	0.0304	3.2800e-003	0.0000	3.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4415	5.4134	3.3325	4.3800e-003		0.2401	0.2401		0.2209	0.2209	0.0000	416.8234	416.8234	0.1244	0.0000	419.4366
Total	0.4415	5.4134	3.3325	4.3800e-003	0.0304	0.2401	0.2704	3.2800e-003	0.2209	0.2241	0.0000	416.8234	416.8234	0.1244	0.0000	419.4366

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	0.0170	4.9400e-003	0.0517	1.0000e-004	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	6.0000e-005	2.2100e-003	0.0000	7.4842	7.4842	4.2000e-004	0.0000	7.4931
Total	0.0170	4.9400e-003	0.0517	1.0000e-004	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	6.0000e-005	2.2100e-003	0.0000	7.4842	7.4842	4.2000e-004	0.0000	7.4931

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					0.0137	0.0000	0.0137	1.4800e-003	0.0000	1.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4410	5.4070	3.3286	4.3700e-003		0.2398	0.2398		0.2206	0.2206	0.0000	416.3275	416.3275	0.1243	0.0000	418.9377
Total	0.4410	5.4070	3.3286	4.3700e-003	0.0137	0.2398	0.2534	1.4800e-003	0.2206	0.2221	0.0000	416.3275	416.3275	0.1243	0.0000	418.9377

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	0.0170	4.9400e-003	0.0517	1.0000e-004	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	6.0000e-005	2.2100e-003	0.0000	7.4842	7.4842	4.2000e-004	0.0000	7.4931
Total	0.0170	4.9400e-003	0.0517	1.0000e-004	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	6.0000e-005	2.2100e-003	0.0000	7.4842	7.4842	4.2000e-004	0.0000	7.4931

Civic Center Aquatics Complex - Building Construction Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	75.00	1000sqft	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Building construction, paving, and painting assumed to occur simultaneously

Off-road Equipment -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	200.00
tblConstructionPhase	NumDays	10.00	200.00
tblConstructionPhase	PhaseEndDate	7/21/2016	10/15/2015
tblConstructionPhase	PhaseEndDate	7/21/2016	10/15/2015
tblConstructionPhase	PhaseStartDate	10/16/2015	1/9/2015
tblConstructionPhase	PhaseStartDate	10/16/2015	1/9/2015
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	1.1715	4.0792	3.0718	4.4900e-003	0.0535	0.2658	0.3193	0.0182	0.2532	0.2714	0.0000	393.4384	393.4384	0.0862	0.0000	395.2491
Total	1.1715	4.0792	3.0718	4.4900e-003	0.0535	0.2658	0.3193	0.0182	0.2532	0.2714	0.0000	393.4384	393.4384	0.0862	0.0000	395.2491

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	1.1709	4.0745	3.0687	4.4900e-003	0.0449	0.2655	0.3104	0.0138	0.2529	0.2667	0.0000	393.0318	393.0318	0.0861	0.0000	394.8405
Total	1.1709	4.0745	3.0687	4.4900e-003	0.0449	0.2655	0.3104	0.0138	0.2529	0.2667	0.0000	393.0318	393.0318	0.0861	0.0000	394.8405

	ROG	NOx	CO	SO2	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	0.0555	0.1150	0.1029	0.0000	16.0591	0.1166	2.7906	24.1625	0.1145	1.7354	0.0000	0.1033	0.1033	0.1160	0.0000	0.1034

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	1/2/2015	5	2	
2	Grading	Grading	1/3/2015	1/8/2015	5	4	
3	Building Construction	Building Construction	1/9/2015	10/15/2015	5	200	
4	Paving	Paving	1/9/2015	10/15/2015	5	200	
5	Architectural Coating	Architectural Coating	1/9/2015	10/15/2015	5	200	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56

Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	12.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2015

Unmitigated Construction On-Site

Acres of Grading: 1

	ROG	NOx	CO	SO2	Fugitive 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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5400e-003	0.0269	0.0170	2.0000e-005		1.4700e-003	1.4700e-003		1.3500e-003	1.3500e-003	0.0000	1.6345	1.6345	4.9000e-004	0.0000	1.6448
Total	2.5400e-003	0.0269	0.0170	2.0000e-005	5.8000e-003	1.4700e-003	7.2700e-003	2.9500e-003	1.3500e-003	4.3000e-003	0.0000	1.6345	1.6345	4.9000e-004	0.0000	1.6448

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	1.2000e-004	4.0000e-005	3.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0544	0.0544	0.0000	0.0000	0.0545
Total	1.2000e-004	4.0000e-005	3.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0544	0.0544	0.0000	0.0000	0.0545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6100e-003	0.0000	2.6100e-003	1.3300e-003	0.0000	1.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5300e-003	0.0269	0.0170	2.0000e-005		1.4700e-003	1.4700e-003		1.3500e-003	1.3500e-003	0.0000	1.6326	1.6326	4.9000e-004	0.0000	1.6428
Total	2.5300e-003	0.0269	0.0170	2.0000e-005	2.6100e-003	1.4700e-003	4.0800e-003	1.3300e-003	1.3500e-003	2.6800e-003	0.0000	1.6326	1.6326	4.9000e-004	0.0000	1.6428

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	1.2000e-004	4.0000e-005	3.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0544	0.0544	0.0000	0.0000	0.0545
Total	1.2000e-004	4.0000e-005	3.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0544	0.0544	0.0000	0.0000	0.0545

3.3 Grading - 2015

Unmitigated Construction On-Site

Acres of Grading: 1.5

	ROG	NOx	CO	SO2	Fugitive 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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1300e-003	0.0439	0.0282	3.0000e-005		2.3900e-003	2.3900e-003		2.2000e-003	2.2000e-003	0.0000	2.6849	2.6849	8.0000e-004	0.0000	2.7017
Total	4.1300e-003	0.0439	0.0282	3.0000e-005	9.8300e-003	2.3900e-003	0.0122	5.0500e-003	2.2000e-003	7.2500e-003	0.0000	2.6849	2.6849	8.0000e-004	0.0000	2.7017

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	2.5000e-004	7.0000e-005	7.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	1.0000e-005	0.0000	0.1090
Total	2.5000e-004	7.0000e-005	7.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	1.0000e-005	0.0000	0.1090

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					4.4200e-003	0.0000	4.4200e-003	2.2700e-003	0.0000	2.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1300e-003	0.0438	0.0282	3.0000e-005		2.3900e-003	2.3900e-003		2.2000e-003	2.2000e-003	0.0000	2.6817	2.6817	8.0000e-004	0.0000	2.6985
Total	4.1300e-003	0.0438	0.0282	3.0000e-005	4.4200e-003	2.3900e-003	6.8100e-003	2.2700e-003	2.2000e-003	4.4700e-003	0.0000	2.6817	2.6817	8.0000e-004	0.0000	2.6985

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	2.5000e-004	7.0000e-005	7.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	1.0000e-005	0.0000	0.1090
Total	2.5000e-004	7.0000e-005	7.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	1.0000e-005	0.0000	0.1090

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	tons/yr										MT/yr					
Off-Road	0.3600	2.1564	1.5004	2.2000e-003		0.1485	0.1485		0.1434	0.1434	0.0000	186.4831	186.4831	0.0430	0.0000	187.3864
Total	0.3600	2.1564	1.5004	2.2000e-003		0.1485	0.1485		0.1434	0.1434	0.0000	186.4831	186.4831	0.0430	0.0000	187.3864

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	0.0372	0.1164	0.2206	2.5000e-004	6.8400e-003	1.9000e-003	8.7400e-003	1.9600e-003	1.7400e-003	3.7000e-003	0.0000	22.9482	22.9482	2.0000e-004	0.0000	22.9524
Worker	0.0370	0.0108	0.1128	2.1000e-004	0.0176	1.4000e-004	0.0178	4.6900e-003	1.3000e-004	4.8200e-003	0.0000	16.3293	16.3293	9.3000e-004	0.0000	16.3487
Total	0.0742	0.1272	0.3334	4.6000e-004	0.0245	2.0400e-003	0.0265	6.6500e-003	1.8700e-003	8.5200e-003	0.0000	39.2775	39.2775	1.1300e-003	0.0000	39.3011

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	0.3596	2.1539	1.4986	2.1900e-003		0.1483	0.1483		0.1433	0.1433	0.0000	186.2613	186.2613	0.0430	0.0000	187.1635
Total	0.3596	2.1539	1.4986	2.1900e-003		0.1483	0.1483		0.1433	0.1433	0.0000	186.2613	186.2613	0.0430	0.0000	187.1635

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	0.0372	0.1164	0.2206	2.5000e-004	6.8400e-003	1.9000e-003	8.7400e-003	1.9600e-003	1.7400e-003	3.7000e-003	0.0000	22.9482	22.9482	2.0000e-004	0.0000	22.9524
Worker	0.0370	0.0108	0.1128	2.1000e-004	0.0176	1.4000e-004	0.0178	4.6900e-003	1.3000e-004	4.8200e-003	0.0000	16.3293	16.3293	9.3000e-004	0.0000	16.3487
Total	0.0742	0.1272	0.3334	4.6000e-004	0.0245	2.0400e-003	0.0265	6.6500e-003	1.8700e-003	8.5200e-003	0.0000	39.2775	39.2775	1.1300e-003	0.0000	39.3011

3.5 Paving - 2015

Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive 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	0.1404	1.4596	0.9170	1.3300e-003		0.0892	0.0892		0.0822	0.0822	0.0000	125.4156	125.4156	0.0368	0.0000	126.1878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1404	1.4596	0.9170	1.3300e-003		0.0892	0.0892		0.0822	0.0822	0.0000	125.4156	125.4156	0.0368	0.0000	126.1878

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	0.0201	5.8400e-003	0.0611	1.1000e-004	9.5500e-003	8.0000e-005	9.6200e-003	2.5400e-003	7.0000e-005	2.6100e-003	0.0000	8.8450	8.8450	5.0000e-004	0.0000	8.8555
Total	0.0201	5.8400e-003	0.0611	1.1000e-004	9.5500e-003	8.0000e-005	9.6200e-003	2.5400e-003	7.0000e-005	2.6100e-003	0.0000	8.8450	8.8450	5.0000e-004	0.0000	8.8555

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	0.1402	1.4579	0.9159	1.3300e-003		0.0891	0.0891		0.0821	0.0821	0.0000	125.2664	125.2664	0.0367	0.0000	126.0377
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1402	1.4579	0.9159	1.3300e-003		0.0891	0.0891		0.0821	0.0821	0.0000	125.2664	125.2664	0.0367	0.0000	126.0377

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	0.0201	5.8400e-003	0.0611	1.1000e-004	9.5500e-003	8.0000e-005	9.6200e-003	2.5400e-003	7.0000e-005	2.6100e-003	0.0000	8.8450	8.8450	5.0000e-004	0.0000	8.8555
Total	0.0201	5.8400e-003	0.0611	1.1000e-004	9.5500e-003	8.0000e-005	9.6200e-003	2.5400e-003	7.0000e-005	2.6100e-003	0.0000	8.8450	8.8450	5.0000e-004	0.0000	8.8555

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	0.5214					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0407	0.2570	0.1902	3.0000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	25.5325	25.5325	3.3200e-003	0.0000	25.6024
Total	0.5621	0.2570	0.1902	3.0000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	25.5325	25.5325	3.3200e-003	0.0000	25.6024

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	7.7100e-003	2.2500e-003	0.0235	4.0000e-005	3.6700e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.4019	3.4019	1.9000e-004	0.0000	3.4060
Total	7.7100e-003	2.2500e-003	0.0235	4.0000e-005	3.6700e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.4019	3.4019	1.9000e-004	0.0000	3.4060

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	0.5214					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0406	0.2567	0.1900	3.0000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	25.5022	25.5022	3.3200e-003	0.0000	25.5719
Total	0.5621	0.2567	0.1900	3.0000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	25.5022	25.5022	3.3200e-003	0.0000	25.5719

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	7.7100e-003	2.2500e-003	0.0235	4.0000e-005	3.6700e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.4019	3.4019	1.9000e-004	0.0000	3.4060
Total	7.7100e-003	2.2500e-003	0.0235	4.0000e-005	3.6700e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.4019	3.4019	1.9000e-004	0.0000	3.4060

Civic Center Aquatics Complex - Facility Features Construction Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	0.00	1000sqft	30.00	1,306,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site = 30 acres

Construction Phase - Project construction estimated to last 14 months

Off-road Equipment - Equipment list provided by Project applicant

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	440.00	110.00
tblLandUse	LandUseSquareFeet	0.00	1,306,800.00
tblLandUse	LotAcreage	0.00	30.00
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	1.2467	6.9928	6.3718	9.8100e-003	0.2360	0.3086	0.5446	0.0641	0.2858	0.3499	0.0000	884.0031	884.0031	0.1540	0.0000	887.2377
Total	1.2467	6.9928	6.3718	9.8100e-003	0.2360	0.3086	0.5446	0.0641	0.2858	0.3499	0.0000	884.0031	884.0031	0.1540	0.0000	887.2377

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	1.2461	6.9859	6.3681	9.8100e-003	0.2360	0.3083	0.5442	0.0641	0.2854	0.3495	0.0000	883.4053	883.4053	0.1539	0.0000	886.6364
Total	1.2461	6.9859	6.3681	9.8100e-003	0.2360	0.3083	0.5442	0.0641	0.2854	0.3495	0.0000	883.4053	883.4053	0.1539	0.0000	886.6364

	ROG	NOx	CO	SO2	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	0.0497	0.0977	0.0584	0.0000	0.0000	0.1102	0.0624	0.0000	0.1120	0.0886	0.0000	0.0676	0.0676	0.1104	0.0000	0.0678

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/14/2015	10/14/2015	5	110	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Pavers	1	8.00	125	0.42
Building Construction	Dumpers/Tenders	2	2.00	16	0.38
Building Construction	Dumpers/Tenders	1	8.00	16	0.38
Building Construction	Off-Highway Trucks	4	6.00	400	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Excavators	1	8.00	162	0.38
Building Construction	Graders	1	6.00	174	0.41
Building Construction	Scrapers	1	8.00	361	0.48
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Welders	0	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
Building Construction	19	418.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive 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	0.5274	5.7478	3.1278	5.3200e-003		0.2886	0.2886		0.2674	0.2674	0.0000	502.4989	502.4989	0.1432	0.0000	505.5063
Total	0.5274	5.7478	3.1278	5.3200e-003		0.2886	0.2886		0.2674	0.2674	0.0000	502.4989	502.4989	0.1432	0.0000	505.5063

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	0.3646	1.1418	2.1636	2.4700e-003	0.0671	0.0186	0.0858	0.0192	0.0171	0.0363	0.0000	225.0836	225.0836	1.9600e-003	0.0000	225.1247
Worker	0.3547	0.1032	1.0804	2.0200e-003	0.1689	1.3500e-003	0.1702	0.0449	1.2400e-003	0.0461	0.0000	156.4206	156.4206	8.8600e-003	0.0000	156.6067
Total	0.7193	1.2450	3.2440	4.4900e-003	0.2360	0.0200	0.2560	0.0641	0.0183	0.0824	0.0000	381.5042	381.5042	0.0108	0.0000	381.7314

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	0.5268	5.7409	3.1241	5.3200e-003		0.2883	0.2883		0.2671	0.2671	0.0000	501.9012	501.9012	0.1430	0.0000	504.9050
Total	0.5268	5.7409	3.1241	5.3200e-003		0.2883	0.2883		0.2671	0.2671	0.0000	501.9012	501.9012	0.1430	0.0000	504.9050

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	0.3646	1.1418	2.1636	2.4700e-003	0.0671	0.0186	0.0858	0.0192	0.0171	0.0363	0.0000	225.0836	225.0836	1.9600e-003	0.0000	225.1247
Worker	0.3547	0.1032	1.0804	2.0200e-003	0.1689	1.3500e-003	0.1702	0.0449	1.2400e-003	0.0461	0.0000	156.4206	156.4206	8.8600e-003	0.0000	156.6067
Total	0.7193	1.2450	3.2440	4.4900e-003	0.2360	0.0200	0.2560	0.0641	0.0183	0.0824	0.0000	381.5042	381.5042	0.0108	0.0000	381.7314

Civic Center Aquatics Complex - Asphalt Paving Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	0.00	1000sqft	57.30	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site + overflow parking lot = 57.3 acres

Off-road Equipment - Equipment list provided by Project applicant

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.00	57.30
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.0825	0.7671	0.4830	6.9000e-004	3.5800e-003	0.0481	0.0517	9.5000e-004	0.0443	0.0452	0.0000	65.3790	65.3790	0.0187	0.0000	65.7720
Total	0.0825	0.7671	0.4830	6.9000e-004	3.5800e-003	0.0481	0.0517	9.5000e-004	0.0443	0.0452	0.0000	65.3790	65.3790	0.0187	0.0000	65.7720

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.0824	0.7662	0.4825	6.9000e-004	3.5800e-003	0.0481	0.0516	9.5000e-004	0.0442	0.0452	0.0000	65.3052	65.3052	0.0187	0.0000	65.6978
Total	0.0824	0.7662	0.4825	6.9000e-004	3.5800e-003	0.0481	0.0516	9.5000e-004	0.0442	0.0452	0.0000	65.3052	65.3052	0.0187	0.0000	65.6978

	ROG	NOx	CO	SO2	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	0.1092	0.1186	0.1139	0.0000	0.0000	0.1247	0.1161	0.0000	0.1129	0.1106	0.0000	0.1129	0.1129	0.1603	0.0000	0.1130

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	2/6/2015	5/21/2015	5	75	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Paving Equipment	0	8.00	130	0.36

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
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Paving - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive 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	0.0749	0.7649	0.4601	6.5000e-004		0.0481	0.0481		0.0442	0.0442	0.0000	62.0621	62.0621	0.0185	0.0000	62.4512
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0749	0.7649	0.4601	6.5000e-004		0.0481	0.0481		0.0442	0.0442	0.0000	62.0621	62.0621	0.0185	0.0000	62.4512

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	7.5200e-003	2.1900e-003	0.0229	4.0000e-005	3.5800e-003	3.0000e-005	3.6100e-003	9.5000e-004	3.0000e-005	9.8000e-004	0.0000	3.3169	3.3169	1.9000e-004	0.0000	3.3208
Total	7.5200e-003	2.1900e-003	0.0229	4.0000e-005	3.5800e-003	3.0000e-005	3.6100e-003	9.5000e-004	3.0000e-005	9.8000e-004	0.0000	3.3169	3.3169	1.9000e-004	0.0000	3.3208

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	0.0748	0.7640	0.4596	6.5000e-004		0.0480	0.0480		0.0442	0.0442	0.0000	61.9883	61.9883	0.0185	0.0000	62.3769
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0748	0.7640	0.4596	6.5000e-004		0.0480	0.0480		0.0442	0.0442	0.0000	61.9883	61.9883	0.0185	0.0000	62.3769

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	7.5200e-003	2.1900e-003	0.0229	4.0000e-005	3.5800e-003	3.0000e-005	3.6100e-003	9.5000e-004	3.0000e-005	9.8000e-004	0.0000	3.3169	3.3169	1.9000e-004	0.0000	3.3208
Total	7.5200e-003	2.1900e-003	0.0229	4.0000e-005	3.5800e-003	3.0000e-005	3.6100e-003	9.5000e-004	3.0000e-005	9.8000e-004	0.0000	3.3169	3.3169	1.9000e-004	0.0000	3.3208

Civic Center Aquatics Complex - Building Space Energy Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	75.00	1000sqft	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase -
- Off-road Equipment -
- Grading -
- Construction Off-road Equipment Mitigation -
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Energy Detail

Historical Energy Use: N

2.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	303.8006	303.8006	0.0149	3.0900e-003	305.0713
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	322.1154	322.1154	0.0158	3.2700e-003	323.4627
Natural Gas Mitigated	4.7700e-003	0.0433	0.0364	2.6000e-004		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003	0.0000	47.1850	47.1850	9.0000e-004	8.7000e-004	47.4721
Natural Gas Unmitigated	5.5600e-003	0.0506	0.0425	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	55.0314	55.0314	1.0500e-003	1.0100e-003	55.3663

2.2 Energy by Land Use - Natural Gas

Unmitigated

	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	tons/yr										MT/yr					
Government (Civic Center)	1.03125e+006	5.5600e-003	0.0506	0.0425	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	55.0314	55.0314	1.0500e-003	1.0100e-003	55.3663
Total		5.5600e-003	0.0506	0.0425	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	55.0314	55.0314	1.0500e-003	1.0100e-003	55.3663

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 (Civic Center)	884213	4.7700e-003	0.0433	0.0364	2.6000e-004		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003	0.0000	47.1850	47.1850	9.0000e-004	8.7000e-004	47.4721
Total		4.7700e-003	0.0433	0.0364	2.6000e-004		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003	0.0000	47.1850	47.1850	9.0000e-004	8.7000e-004	47.4721

2.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	1.203e+006	322.1154	0.0158	3.2700e-003	323.4627
Total		322.1154	0.0158	3.2700e-003	323.4627

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	1.1346e+006	303.8006	0.0149	3.0900e-003	305.0713
Total		303.8006	0.0149	3.0900e-003	305.0713

Civic Center Aquatics Complex - Pool Space Energy Use Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Recreational Swimming Pool	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Energy Use - Pool energy use per Project applicant

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	0.00	10,179.56
tblEnergyUse	T24NG	0.00	10,179.56
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Energy Detail

Historical Energy Use: N

2.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Mitigated	0.1016	0.9232	0.7754	5.5400e-003		0.0702	0.0702		0.0702	0.0702	0.0000	1,004.9575	1,004.9575	0.0193	0.0184	1,011.0735
Natural Gas Unmitigated	0.1098	0.9980	0.8383	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	1,086.4405	1,086.4405	0.0208	0.0199	1,093.0524

2.2 Energy by Land Use - Natural Gas

Unmitigated

	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	tons/yr										MT/yr					
Recreational Swimming Pool	2.03591e+007	0.1098	0.9980	0.8383	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	1,086.4405	1,086.4405	0.0208	0.0199	1,093.0524
Total		0.1098	0.9980	0.8383	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	1,086.4405	1,086.4405	0.0208	0.0199	1,093.0524

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	tons/yr										MT/yr					
Recreational Swimming Pool	1.88322e+007	0.1016	0.9232	0.7754	5.5400e-003		0.0702	0.0702		0.0702	0.0702	0.0000	1,004.9575	1,004.9575	0.0193	0.0184	1,011.0735
Total		0.1016	0.9232	0.7754	5.5400e-003		0.0702	0.0702		0.0702	0.0702	0.0000	1,004.9575	1,004.9575	0.0193	0.0184	1,011.0735

2.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Civic Center Aquatics Complex - Water Use Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Water And Wastewater - Water use per Section 4.8

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2016
tblWater	IndoorWaterUseRate	198,659.69	11,805,930.00
tblWater	OutdoorWaterUseRate	121,759.16	12,613,709.00

2.0 Water Detail

2.1 Mitigation Measures Water

Use Reclaimed Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.6416	0.0155	9.3200e-003	29.8581
Unmitigated	31.7488	0.0157	9.3600e-003	34.9819

2.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	11.8059 / 12.6137	31.7488	0.0157	9.3600e-003	34.9819
Total		31.7488	0.0157	9.3600e-003	34.9819

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	11.8059 / 7.16409	26.6416	0.0155	9.3200e-003	29.8581
Total		26.6416	0.0155	9.3200e-003	29.8581

Civic Center Aquatics Complex - Solid Waste Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Solid Waste - Solid waste generation per Section 4.8

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2016
tblSolidWaste	SolidWasteGenerationRate	5.70	535.00

2.0 Waste Detail

2.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	108.6002	6.4181	0.0000	243.3800
Unmitigated	108.6002	6.4181	0.0000	243.3800

2.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	535	108.6002	6.4181	0.0000	243.3800
Total		108.6002	6.4181	0.0000	243.3800

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	535	108.6002	6.4181	0.0000	243.3800
Total		108.6002	6.4181	0.0000	243.3800

Civic Center Aquatics Complex - Project Traffic Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2016
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - Trip generation per Traffic Impact Report

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2016
tblVehicleTrips	ST_TR	0.00	4,782.00
tblVehicleTrips	SU_TR	0.00	4,782.00
tblVehicleTrips	WD_TR	27.92	2,808.00

2.0 Operational Detail - Mobile

2.1 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	4.8841	4.0190	19.7024	0.0343	2.3657	0.0518	2.4175	0.6337	0.0476	0.6813	0.0000	2,692.0457	2,692.0457	0.1238	0.0000	2,694.6461
Unmitigated	4.8841	4.0190	19.7024	0.0343	2.3657	0.0518	2.4175	0.6337	0.0476	0.6813	0.0000	2,692.0457	2,692.0457	0.1238	0.0000	2,694.6461

2.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	2,808.00	4,782.00	4782.00	6,356,286	6,356,286
Total	2,808.00	4,782.00	4,782.00	6,356,286	6,356,286

2.3 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 (Civic Center)	10.00	5.00	6.50	75.00	20.00	5.00	50	34	16

2.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.504516	0.068219	0.178179	0.147873	0.044976	0.006346	0.020386	0.015946	0.002304	0.002308	0.006193	0.000574	0.002181

Civic Center Aquatics Complex - Area Source Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	75.00	1000sqft	1.72	75,000.00	0
Parking Lot	2,225.00	Space	20.02	890,000.00	0
Recreational Swimming Pool	30.60	1000sqft	0.70	30,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6	Operational Year	2016		
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Area Detail

2.1 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	3.9833	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613
Unmitigated	3.9833	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613

2.2 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	0.0920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8883					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9700e-003	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613
Total	3.9833	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613

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	0.0920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8883					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9700e-003	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613
Total	3.9833	2.9000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0578	0.0578	1.6000e-004	0.0000	0.0613

