

**APPENDIX D – AIR QUALITY MODEL DATA
OUTPUT**

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

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

Construction Phase -

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	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2015	8.3469	98.5062	61.6693	0.0815	6.0829	4.3658	7.2919	3.3264	4.0165	4.4386	0.0000	8,519.9296	8,519.9296	2.5025	0.0000	8,572.4824
Total	8.3469	98.5062	61.6693	0.0815	6.0829	4.3658	7.2919	3.3264	4.0165	4.4386	0.0000	8,519.9296	8,519.9296	2.5025	0.0000	8,572.4824

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	lb/day										lb/day					
2015	8.3396	98.4159	61.6137	0.0814	2.7708	4.3618	4.7625	1.5057	4.0129	4.0801	0.0000	8,512.2653	8,512.2653	2.5002	0.0000	8,564.7700
Total	8.3396	98.4159	61.6137	0.0814	2.7708	4.3618	4.7625	1.5057	4.0129	4.0801	0.0000	8,512.2653	8,512.2653	2.5002	0.0000	8,564.7700

	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	0.0882	0.0917	0.0901	0.0982	54.4498	0.0916	34.6875	54.7332	0.0916	8.0786	0.0000	0.0900	0.0900	0.0915	0.0000	0.0900

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
Site Preparation	Rubber Tired Dozers	1	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Scrapers	4	8.00	361	0.48
Grading	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	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

Reduce Vehicle Speed on Unpaved Roads

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	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.9939	21.2513	15.8277	0.0151		1.2085	1.2085		1.1118	1.1118		1,588.9066	1,588.9066	0.4744		1,598.8680
Total	1.9939	21.2513	15.8277	0.0151	6.0221	1.2085	7.2306	3.3102	1.1118	4.4221		1,588.9066	1,588.9066	0.4744		1,598.8680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.9921	21.2318	15.8131	0.0151		1.2074	1.2074		1.1108	1.1108	0.0000	1,587.4488	1,587.4488	0.4739		1,597.4011
Total	1.9921	21.2318	15.8131	0.0151	2.7099	1.2074	3.9174	1.4896	1.1108	2.6004	0.0000	1,587.4488	1,587.4488	0.4739		1,597.4011

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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	lb/day										lb/day					
Fugitive Dust					0.5524	0.0000	0.5524	0.0597	0.0000	0.0597			0.0000			0.0000
Off-Road	8.0279	98.4254	60.5912	0.0796		4.3646	4.3646		4.0155	4.0155		8,353.9845	8,353.9845	2.4940		8,406.3588
Total	8.0279	98.4254	60.5912	0.0796	0.5524	4.3646	4.9171	0.0597	4.0155	4.0751		8,353.9845	8,353.9845	2.4940		8,406.3588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3191	0.0808	1.0781	1.9500e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		165.9451	165.9451	8.5000e-003		166.1236
Total	0.3191	0.0808	1.0781	1.9500e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		165.9451	165.9451	8.5000e-003		166.1236

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					0.2486	0.0000	0.2486	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	8.0205	98.3351	60.5356	0.0795		4.3606	4.3606		4.0118	4.0118	0.0000	8,346.3202	8,346.3202	2.4917		8,398.6464
Total	8.0205	98.3351	60.5356	0.0795	0.2486	4.3606	4.6092	0.0268	4.0118	4.0386	0.0000	8,346.3202	8,346.3202	2.4917		8,398.6464

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3191	0.0808	1.0781	1.9500e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		165.9451	165.9451	8.5000e-003		166.1236
Total	0.3191	0.0808	1.0781	1.9500e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		165.9451	165.9451	8.5000e-003		166.1236

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

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

Construction Phase -

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	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblProjectCharacteristics	OperationalYear	2014	2016

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2015	8.3852	98.5257	61.5708	0.0813	6.0829	4.3658	7.2919	3.3264	4.0165	4.4386	0.0000	8,499.7076	8,499.7076	2.5025	0.0000	8,552.2604
Total	8.3852	98.5257	61.5708	0.0813	6.0829	4.3658	7.2919	3.3264	4.0165	4.4386	0.0000	8,499.7076	8,499.7076	2.5025	0.0000	8,552.2604

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	lb/day										lb/day					
2015	8.3778	98.4354	61.5152	0.0812	2.7708	4.3618	4.7625	1.5057	4.0129	4.0801	0.0000	8,492.043 3	8,492.043 3	2.5002	0.0000	8,544.5480
Total	8.3778	98.4354	61.5152	0.0812	2.7708	4.3618	4.7625	1.5057	4.0129	4.0801	0.0000	8,492.043 3	8,492.043 3	2.5002	0.0000	8,544.5480

	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	0.0878	0.0917	0.0903	0.0984	54.4498	0.0916	34.6875	54.7332	0.0916	8.0786	0.0000	0.0902	0.0902	0.0915	0.0000	0.0902

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
Site Preparation	Rubber Tired Dozers	1	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Scrapers	4	8.00	361	0.48
Grading	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	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

Reduce Vehicle Speed on Unpaved 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	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.9939	21.2513	15.8277	0.0151		1.2085	1.2085		1.1118	1.1118		1,588.9066	1,588.9066	0.4744		1,598.8680
Total	1.9939	21.2513	15.8277	0.0151	6.0221	1.2085	7.2306	3.3102	1.1118	4.4221		1,588.9066	1,588.9066	0.4744		1,598.8680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.9921	21.2318	15.8131	0.0151		1.2074	1.2074		1.1108	1.1108	0.0000	1,587.4488	1,587.4488	0.4739		1,597.4011
Total	1.9921	21.2318	15.8131	0.0151	2.7099	1.2074	3.9174	1.4896	1.1108	2.6004	0.0000	1,587.4488	1,587.4488	0.4739		1,597.4011

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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	lb/day										lb/day					
Fugitive Dust					0.5524	0.0000	0.5524	0.0597	0.0000	0.0597			0.0000			0.0000
Off-Road	8.0279	98.4254	60.5912	0.0796		4.3646	4.3646		4.0155	4.0155		8,353.9845	8,353.9845	2.4940		8,406.3588
Total	8.0279	98.4254	60.5912	0.0796	0.5524	4.3646	4.9171	0.0597	4.0155	4.0751		8,353.9845	8,353.9845	2.4940		8,406.3588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3573	0.1004	0.9796	1.7100e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		145.7231	145.7231	8.5000e-003		145.9016
Total	0.3573	0.1004	0.9796	1.7100e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		145.7231	145.7231	8.5000e-003		145.9016

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					0.2486	0.0000	0.2486	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	8.0205	98.3351	60.5356	0.0795		4.3606	4.3606		4.0118	4.0118	0.0000	8,346.3202	8,346.3202	2.4917		8,398.6464
Total	8.0205	98.3351	60.5356	0.0795	0.2486	4.3606	4.6092	0.0268	4.0118	4.0386	0.0000	8,346.3202	8,346.3202	2.4917		8,398.6464

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3573	0.1004	0.9796	1.7100e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		145.7231	145.7231	8.5000e-003		145.9016
Total	0.3573	0.1004	0.9796	1.7100e-003	0.1521	1.1700e-003	0.1533	0.0404	1.0700e-003	0.0414		145.7231	145.7231	8.5000e-003		145.9016

Civic Center Aquatics Complex - Building Construction Sacramento County, Summer

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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	11.6521	40.0036	30.2766	0.0449	5.8604	2.6192	7.3280	2.9699	2.4963	4.3200	0.0000	4,321.9115	4,321.9115	0.9361	0.0000	4,341.5705
Total	11.6521	40.0036	30.2766	0.0449	5.8604	2.6192	7.3280	2.9699	2.4963	4.3200	0.0000	4,321.9115	4,321.9115	0.9361	0.0000	4,341.5705

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	lb/day										lb/day					
2015	11.6471	39.9681	30.2526	0.0448	2.6707	2.6168	4.1368	1.3453	2.4940	2.6942	0.0000	4,318.4990	4,318.4990	0.9353	0.0000	4,338.1403
Total	11.6471	39.9681	30.2526	0.0448	2.6707	2.6168	4.1368	1.3453	2.4940	2.6942	0.0000	4,318.4990	4,318.4990	0.9353	0.0000	4,338.1403

	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	0.0427	0.0888	0.0790	0.0891	54.4289	0.0912	43.5471	54.7011	0.0913	37.6341	0.0000	0.0790	0.0790	0.0897	0.0000	0.0790

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	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.5362	26.8886	17.0107	0.0171		1.4671	1.4671		1.3497	1.3497		1,801.744	1,801.744	0.5379		1,813.0398
												0	0			
Total	2.5362	26.8886	17.0107	0.0171	5.7996	1.4671	7.2666	2.9537	1.3497	4.3034		1,801.744	1,801.744	0.5379		1,813.0398
												0	0			

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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					2.6098	0.0000	2.6098	1.3292	0.0000	1.3292			0.0000			0.0000
Off-Road	2.5339	26.8639	16.9951	0.0171		1.4657	1.4657		1.3484	1.3484	0.0000	1,800.0910	1,800.0910	0.5374		1,811.3765
Total	2.5339	26.8639	16.9951	0.0171	2.6098	1.4657	4.0755	1.3292	1.3484	2.6776	0.0000	1,800.0910	1,800.0910	0.5374		1,811.3765

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	2.0666	21.9443	14.0902	0.0141		1.1968	1.1968		1.1011	1.1011		1,479.8000	1,479.8000	0.4418		1,489.0774
Total	2.0666	21.9443	14.0902	0.0141	4.9143	1.1968	6.1110	2.5256	1.1011	3.6267		1,479.8000	1,479.8000	0.4418		1,489.0774

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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					2.2114	0.0000	2.2114	1.1365	0.0000	1.1365			0.0000			0.0000
Off-Road	2.0647	21.9241	14.0773	0.0141		1.1957	1.1957		1.1000	1.1000	0.0000	1,478.4424	1,478.4424	0.4414		1,487.7113
Total	2.0647	21.9241	14.0773	0.0141	2.2114	1.1957	3.4071	1.1365	1.1000	2.2366	0.0000	1,478.4424	1,478.4424	0.4414		1,487.7113

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494
Total	0.1276	0.0323	0.4313	7.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		66.3780	66.3780	3.4000e-003		66.4494

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	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3570	1.1035	1.9372	2.5200e-003	0.0705	0.0189	0.0894	0.0201	0.0173	0.0374		253.8839	253.8839	2.1700e-003		253.9295
Worker	0.3829	0.0970	1.2937	2.3400e-003	0.1826	1.4100e-003	0.1840	0.0484	1.2900e-003	0.0497		199.1341	199.1341	0.0102		199.3483
Total	0.7398	1.2005	3.2310	4.8600e-003	0.2531	0.0203	0.2733	0.0685	0.0186	0.0871		453.0180	453.0180	0.0124		453.2778

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	3.5967	21.5444	14.9903	0.0219		1.4837	1.4837		1.4331	1.4331	0.0000	2,053.7387	2,053.7387	0.4737		2,063.6861
Total	3.5967	21.5444	14.9903	0.0219		1.4837	1.4837		1.4331	1.4331	0.0000	2,053.7387	2,053.7387	0.4737		2,063.6861

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.3570	1.1035	1.9372	2.5200e-003	0.0705	0.0189	0.0894	0.0201	0.0173	0.0374		253.8839	253.8839	2.1700e-003			253.9295
Worker	0.3829	0.0970	1.2937	2.3400e-003	0.1826	1.4100e-003	0.1840	0.0484	1.2900e-003	0.0497		199.1341	199.1341	0.0102			199.3483
Total	0.7398	1.2005	3.2310	4.8600e-003	0.2531	0.0203	0.2733	0.0685	0.0186	0.0871		453.0180	453.0180	0.0124			453.2778

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	lb/day										lb/day						
Off-Road	1.4041	14.5959	9.1695	0.0133		0.8919	0.8919		0.8215	0.8215		1,382.4703	1,382.4703	0.4054			1,390.9826
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4041	14.5959	9.1695	0.0133		0.8919	0.8919		0.8215	0.8215		1,382.4703	1,382.4703	0.4054			1,390.9826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003			107.9803
Total	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003			107.9803

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	1.4028	14.5826	9.1611	0.0133		0.8911	0.8911		0.8207	0.8207	0.0000	1,381.2019	1,381.2019	0.4050			1,389.7064
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4028	14.5826	9.1611	0.0133		0.8911	0.8911		0.8207	0.8207	0.0000	1,381.2019	1,381.2019	0.4050			1,389.7064

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803
Total	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803

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	lb/day										lb/day					
Archit. Coating	5.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	5.6210	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0798	0.0202	0.2695	4.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		41.4863	41.4863	2.1200e-003		41.5309
Total	0.0798	0.0202	0.2695	4.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		41.4863	41.4863	2.1200e-003		41.5309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4062	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587
Total	5.6206	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0798	0.0202	0.2695	4.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		41.4863	41.4863	2.1200e-003		41.5309
Total	0.0798	0.0202	0.2695	4.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		41.4863	41.4863	2.1200e-003		41.5309

Civic Center Aquatics Complex - Building Construction

Sacramento County, Winter

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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	11.7993	40.1253	30.8356	0.0444	5.8604	2.6195	7.3280	2.9699	2.4966	4.3200	0.0000	4,277.2472	4,277.2472	0.9362	0.0000	4,296.9074
Total	11.7993	40.1253	30.8356	0.0444	5.8604	2.6195	7.3280	2.9699	2.4966	4.3200	0.0000	4,277.2472	4,277.2472	0.9362	0.0000	4,296.9074

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	lb/day										lb/day					
2015	11.7943	40.0897	30.8116	0.0443	2.6707	2.6171	4.1368	1.3453	2.4943	2.6942	0.0000	4,273.8347	4,273.8347	0.9354	0.0000	4,293.4772
Total	11.7943	40.0897	30.8116	0.0443	2.6707	2.6171	4.1368	1.3453	2.4943	2.6942	0.0000	4,273.8347	4,273.8347	0.9354	0.0000	4,293.4772

	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	0.0421	0.0885	0.0776	0.0676	54.4289	0.0909	43.5471	54.7011	0.0913	37.6341	0.0000	0.0798	0.0798	0.0897	0.0000	0.0798

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	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.5362	26.8886	17.0107	0.0171		1.4671	1.4671		1.3497	1.3497		1,801.744	1,801.744	0.5379		1,813.0398
												0	0			
Total	2.5362	26.8886	17.0107	0.0171	5.7996	1.4671	7.2666	2.9537	1.3497	4.3034		1,801.744	1,801.744	0.5379		1,813.0398
												0	0			

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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					2.6098	0.0000	2.6098	1.3292	0.0000	1.3292			0.0000			0.0000
Off-Road	2.5339	26.8639	16.9951	0.0171		1.4657	1.4657		1.3484	1.3484	0.0000	1,800.0910	1,800.0910	0.5374		1,811.3765
Total	2.5339	26.8639	16.9951	0.0171	2.6098	1.4657	4.0755	1.3292	1.3484	2.6776	0.0000	1,800.0910	1,800.0910	0.5374		1,811.3765

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	2.0666	21.9443	14.0902	0.0141		1.1968	1.1968		1.1011	1.1011		1,479.8000	1,479.8000	0.4418		1,489.0774
Total	2.0666	21.9443	14.0902	0.0141	4.9143	1.1968	6.1110	2.5256	1.1011	3.6267		1,479.8000	1,479.8000	0.4418		1,489.0774

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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					2.2114	0.0000	2.2114	1.1365	0.0000	1.1365			0.0000			0.0000
Off-Road	2.0647	21.9241	14.0773	0.0141		1.1957	1.1957		1.1000	1.1000	0.0000	1,478.4424	1,478.4424	0.4414		1,487.7113
Total	2.0647	21.9241	14.0773	0.0141	2.2114	1.1957	3.4071	1.1365	1.1000	2.2366	0.0000	1,478.4424	1,478.4424	0.4414		1,487.7113

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606
Total	0.1429	0.0402	0.3918	6.8000e-004	0.0609	4.7000e-004	0.0613	0.0161	4.3000e-004	0.0166		58.2893	58.2893	3.4000e-003		58.3606

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	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4238	1.1841	2.7031	2.5100e-003	0.0705	0.0192	0.0896	0.0201	0.0176	0.0377		251.6857	251.6857	2.2300e-003		251.7326
Worker	0.4288	0.1204	1.1755	2.0500e-003	0.1826	1.4100e-003	0.1840	0.0484	1.2900e-003	0.0497		174.8677	174.8677	0.0102		175.0819
Total	0.8526	1.3045	3.8786	4.5600e-003	0.2531	0.0206	0.2736	0.0685	0.0189	0.0874		426.5534	426.5534	0.0124		426.8145

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	3.5967	21.5444	14.9903	0.0219		1.4837	1.4837		1.4331	1.4331	0.0000	2,053.7387	2,053.7387	0.4737		2,063.6861
Total	3.5967	21.5444	14.9903	0.0219		1.4837	1.4837		1.4331	1.4331	0.0000	2,053.7387	2,053.7387	0.4737		2,063.6861

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.4238	1.1841	2.7031	2.5100e-003	0.0705	0.0192	0.0896	0.0201	0.0176	0.0377		251.6857	251.6857	2.2300e-003			251.7326
Worker	0.4288	0.1204	1.1755	2.0500e-003	0.1826	1.4100e-003	0.1840	0.0484	1.2900e-003	0.0497		174.8677	174.8677	0.0102			175.0819
Total	0.8526	1.3045	3.8786	4.5600e-003	0.2531	0.0206	0.2736	0.0685	0.0189	0.0874		426.5534	426.5534	0.0124			426.8145

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	lb/day										lb/day						
Off-Road	1.4041	14.5959	9.1695	0.0133		0.8919	0.8919		0.8215	0.8215		1,382.4703	1,382.4703	0.4054			1,390.9826
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4041	14.5959	9.1695	0.0133		0.8919	0.8919		0.8215	0.8215		1,382.4703	1,382.4703	0.4054			1,390.9826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360
Total	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360

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	1.4028	14.5826	9.1611	0.0133		0.8911	0.8911		0.8207	0.8207	0.0000	1,381.2019	1,381.2019	0.4050		1,389.7064
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4028	14.5826	9.1611	0.0133		0.8911	0.8911		0.8207	0.8207	0.0000	1,381.2019	1,381.2019	0.4050		1,389.7064

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360
Total	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360

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	lb/day										lb/day					
Archit. Coating	5.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	5.6210	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0893	0.0251	0.2449	4.3000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		36.4308	36.4308	2.1200e-003		36.4754
Total	0.0893	0.0251	0.2449	4.3000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		36.4308	36.4308	2.1200e-003		36.4754

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4062	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587
Total	5.6206	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0893	0.0251	0.2449	4.3000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		36.4308	36.4308	2.1200e-003		36.4754
Total	0.0893	0.0251	0.2449	4.3000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		36.4308	36.4308	2.1200e-003		36.4754

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

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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	22.6231	125.8726	113.9493	0.1825	4.4368	5.6087	10.0455	1.2013	5.1936	6.3949	0.0000	18,066.94 34	18,066.94 34	3.0866	0.0000	18,131.762 1
Total	22.6231	125.8726	113.9493	0.1825	4.4368	5.6087	10.0455	1.2013	5.1936	6.3949	0.0000	18,066.94 34	18,066.94 34	3.0866	0.0000	18,131.762 1

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	lb/day										lb/day					
2015	22.6143	125.7767	113.8971	0.1824	4.4368	5.6039	10.0407	1.2013	5.1891	6.3904	0.0000	18,057.70 37	18,057.70 37	3.0840	0.0000	18,122.467 1
Total	22.6143	125.7767	113.8971	0.1824	4.4368	5.6039	10.0407	1.2013	5.1891	6.3904	0.0000	18,057.70 37	18,057.70 37	3.0840	0.0000	18,122.467 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
Percent Reduction	0.0389	0.0762	0.0458	0.0493	0.0000	0.0859	0.0479	0.0000	0.0859	0.0697	0.0000	0.0511	0.0511	0.0852	0.0000	0.0513

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	lb/day										lb/day					
Off-Road	9.5888	104.5045	56.8694	0.0968		5.2478	5.2478		4.8623	4.8623		10,071.09 55	10,071.09 55	2.8702		10,131.369 7
Total	9.5888	104.5045	56.8694	0.0968		5.2478	5.2478		4.8623	4.8623		10,071.09 55	10,071.09 55	2.8702		10,131.369 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3656	19.6790	34.5473	0.0450	1.2570	0.3363	1.5934	0.3579	0.3088	0.6666		4,527.595 3	4,527.595 3	0.0388		4,528.4093
Worker	6.6687	1.6890	22.5326	0.0407	3.1797	0.0245	3.2043	0.8435	0.0225	0.8659		3,468.252 5	3,468.252 5	0.1776		3,471.9831
Total	13.0343	21.3680	57.0799	0.0857	4.4368	0.3609	4.7977	1.2013	0.3312	1.5325		7,995.847 9	7,995.847 9	0.2164		8,000.3924

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	9.5800	104.4087	56.8172	0.0967		5.2430	5.2430		4.8579	4.8579	0.0000	10,061.8558	10,061.8558	2.8676		10,122.0747
Total	9.5800	104.4087	56.8172	0.0967		5.2430	5.2430		4.8579	4.8579	0.0000	10,061.8558	10,061.8558	2.8676		10,122.0747

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3656	19.6790	34.5473	0.0450	1.2570	0.3363	1.5934	0.3579	0.3088	0.6666		4,527.5953	4,527.5953	0.0388		4,528.4093
Worker	6.6687	1.6890	22.5326	0.0407	3.1797	0.0245	3.2043	0.8435	0.0225	0.8659		3,468.2525	3,468.2525	0.1776		3,471.9831
Total	13.0343	21.3680	57.0799	0.0857	4.4368	0.3609	4.7977	1.2013	0.3312	1.5325		7,995.8479	7,995.8479	0.2164		8,000.3924

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

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	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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	24.6020	127.5429	125.4608	0.1771	4.4368	5.6094	10.0462	1.2013	5.1942	6.3956	0.0000	17,583.9881	17,583.9881	3.0814	0.0000	17,648.6968
Total	24.6020	127.5429	125.4608	0.1771	4.4368	5.6094	10.0462	1.2013	5.1942	6.3956	0.0000	17,583.9881	17,583.9881	3.0814	0.0000	17,648.6968

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	lb/day										lb/day					
2015	24.5932	127.4472	125.4087	0.1770	4.4368	5.6046	10.0414	1.2013	5.1898	6.3911	0.0000	17,574.7678	17,574.7678	3.0787	0.0000	17,639.4213
Total	24.5932	127.4472	125.4087	0.1770	4.4368	5.6046	10.0414	1.2013	5.1898	6.3911	0.0000	17,574.7678	17,574.7678	3.0787	0.0000	17,639.4213

	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	0.0357	0.0750	0.0415	0.0508	0.0000	0.0857	0.0479	0.0000	0.0857	0.0697	0.0000	0.0524	0.0524	0.0854	0.0000	0.0526

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	Cranes	1	7.00	226	0.29
Building Construction	Dumpers/Tenders	2	2.00	16	0.38
Building Construction	Dumpers/Tenders	1	8.00	16	0.38
Building Construction	Excavators	1	8.00	162	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Graders	1	6.00	174	0.41
Building Construction	Off-Highway Trucks	4	6.00	400	0.38
Building Construction	Pavers	1	8.00	125	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Scrapers	1	8.00	361	0.48
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
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	lb/day										lb/day					
Off-Road	9.5761	104.3296	56.7817	0.0966		5.2433	5.2433		4.8582	4.8582		10,049.9807	10,049.9807	2.8639		10,110.1225
Total	9.5761	104.3296	56.7817	0.0966		5.2433	5.2433		4.8582	4.8582		10,049.9807	10,049.9807	2.8639		10,110.1225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.5579	21.1157	48.2058	0.0448	1.2570	0.3416	1.5986	0.3579	0.3136	0.6714		4,488.3944	4,488.3944	0.0398		4,489.2307
Worker	7.4679	2.0977	20.4733	0.0357	3.1797	0.0245	3.2043	0.8435	0.0225	0.8659		3,045.6131	3,045.6131	0.1776		3,049.3436
Total	15.0258	23.2133	68.6791	0.0805	4.4368	0.3661	4.8029	1.2013	0.3360	1.5374		7,534.0074	7,534.0074	0.2175		7,538.5743

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	9.5674	104.2339	56.7296	0.0965		5.2385	5.2385		4.8537	4.8537	0.0000	10,040.7604	10,040.7604	2.8613		10,100.8470
Total	9.5674	104.2339	56.7296	0.0965		5.2385	5.2385		4.8537	4.8537	0.0000	10,040.7604	10,040.7604	2.8613		10,100.8470

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.5579	21.1157	48.2058	0.0448	1.2570	0.3416	1.5986	0.3579	0.3136	0.6714		4,488.3944	4,488.3944	0.0398		4,489.2307
Worker	7.4679	2.0977	20.4733	0.0357	3.1797	0.0245	3.2043	0.8435	0.0225	0.8659		3,045.6131	3,045.6131	0.1776		3,049.3436
Total	15.0258	23.2133	68.6791	0.0805	4.4368	0.3661	4.8029	1.2013	0.3360	1.5374		7,534.0074	7,534.0074	0.2175		7,538.5743

Civic Center Aquatics Complex - Asphalt Paving Sacramento County, Summer

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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	2.2054	20.4493	12.9704	0.0186	0.0989	1.2831	1.3820	0.0262	1.1805	1.2067	0.0000	1,932.1784	1,932.1784	0.5502	0.0000	1,943.7317
Total	2.2054	20.4493	12.9704	0.0186	0.0989	1.2831	1.3820	0.0262	1.1805	1.2067	0.0000	1,932.1784	1,932.1784	0.5502	0.0000	1,943.7317

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	lb/day										lb/day					
2015	2.2035	20.4305	12.9592	0.0186	0.0989	1.2820	1.3809	0.0262	1.1794	1.2056	0.0000	1,930.5047	1,930.5047	0.5497	0.0000	1,942.0475
Total	2.2035	20.4305	12.9592	0.0186	0.0989	1.2820	1.3809	0.0262	1.1794	1.2056	0.0000	1,930.5047	1,930.5047	0.5497	0.0000	1,942.0475

	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	0.0834	0.0915	0.0867	0.1074	0.0000	0.0912	0.0847	0.0000	0.0915	0.0895	0.0000	0.0866	0.0866	0.0909	0.0000	0.0866

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	lb/day										lb/day					
Off-Road	1.9980	20.3967	12.2697	0.0174		1.2824	1.2824		1.1798	1.1798		1,824.314	1,824.314	0.5446		1,835.7514
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9980	20.3967	12.2697	0.0174		1.2824	1.2824		1.1798	1.1798		1,824.314	1,824.314	0.5446		1,835.7514

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803
Total	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803

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	1.9961	20.3780	12.2584	0.0174		1.2812	1.2812		1.1787	1.1787	0.0000	1,822.6404	1,822.6404	0.5441		1,834.0672
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9961	20.3780	12.2584	0.0174		1.2812	1.2812		1.1787	1.1787	0.0000	1,822.6404	1,822.6404	0.5441		1,834.0672

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803
Total	0.2074	0.0525	0.7008	1.2700e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		107.8643	107.8643	5.5200e-003		107.9803

Civic Center Aquatics Complex - Asphalt Paving Sacramento County, Winter

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 (Maximum Daily Emission)

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	lb/day										lb/day					
2015	2.2302	20.4620	12.9064	0.0185	0.0989	1.2831	1.3820	0.0262	1.1805	1.2067	0.0000	1,919.034 1	1,919.034 1	0.5502	0.0000	1,930.5874
Total	2.2302	20.4620	12.9064	0.0185	0.0989	1.2831	1.3820	0.0262	1.1805	1.2067	0.0000	1,919.034 1	1,919.034 1	0.5502	0.0000	1,930.5874

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	lb/day										lb/day					
2015	2.2284	20.4433	12.8951	0.0185	0.0989	1.2820	1.3809	0.0262	1.1794	1.2056	0.0000	1,917.360 4	1,917.360 4	0.5497	0.0000	1,928.9032
Total	2.2284	20.4433	12.8951	0.0185	0.0989	1.2820	1.3809	0.0262	1.1794	1.2056	0.0000	1,917.360 4	1,917.360 4	0.5497	0.0000	1,928.9032

	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	0.0821	0.0914	0.0872	0.1082	0.0000	0.0912	0.0847	0.0000	0.0915	0.0895	0.0000	0.0872	0.0872	0.0909	0.0000	0.0872

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	lb/day										lb/day					
Off-Road	1.9980	20.3967	12.2697	0.0174		1.2824	1.2824		1.1798	1.1798		1,824.314	1,824.314	0.5446		1,835.7514
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9980	20.3967	12.2697	0.0174		1.2824	1.2824		1.1798	1.1798		1,824.314	1,824.314	0.5446		1,835.7514

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360
Total	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360

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	1.9961	20.3780	12.2584	0.0174		1.2812	1.2812		1.1787	1.1787	0.0000	1,822.6404	1,822.6404	0.5441		1,834.0672
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9961	20.3780	12.2584	0.0174		1.2812	1.2812		1.1787	1.1787	0.0000	1,822.6404	1,822.6404	0.5441		1,834.0672

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360
Total	0.2323	0.0652	0.6367	1.1100e-003	0.0989	7.6000e-004	0.0997	0.0262	7.0000e-004	0.0269		94.7200	94.7200	5.5200e-003		94.8360

Civic Center Aquatics Complex - Project Traffic Sacramento County, Summer

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	lb/day										lb/day					
Mitigated	39.9109	29.0958	158.8811	0.2894	19.0841	0.4022	19.4864	5.0977	0.3696	5.4672		25,003.25 29	25,003.25 29	1.0645		25,025.60 70
Unmitigated	39.9109	29.0958	158.8811	0.2894	19.0841	0.4022	19.4864	5.0977	0.3696	5.4672		25,003.25 29	25,003.25 29	1.0645		25,025.60 70

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 - Project Traffic

Sacramento County, Winter

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	lb/day										lb/day					
Mitigated	42.8330	33.1026	171.8626	0.2614	19.0841	0.4060	19.4901	5.0977	0.3730	5.4707		22,637.2678	22,637.2678	1.0654		22,659.6403
Unmitigated	42.8330	33.1026	171.8626	0.2614	19.0841	0.4060	19.4901	5.0977	0.3730	5.4707		22,637.2678	22,637.2678	1.0654		22,659.6403

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, Summer

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	lb/day										lb/day					
Mitigated	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Unmitigated	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404

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	lb/day										lb/day					
Architectural Coating	0.5040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0238	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Total	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404

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	0.5040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0238	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Total	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404

Civic Center Aquatics Complex - Area Source Sacramento County, Winter

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	lb/day										lb/day					
Mitigated	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Unmitigated	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404

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	lb/day										lb/day					
Architectural Coating	0.5040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0238	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Total	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404

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	0.5040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0238	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404
Total	21.8336	2.3400e-003	0.2441	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5101	0.5101	1.4400e-003		0.5404