Appendix I

Modified Project Greenhouse Gas Worksheets

Summary of GHG Emissions (tpy):

	Existing	BAU	Project	Reduction	% Reduction
Area	4.30E-03	9.80E-03	9.80E-03	-	-
Energy	2700.156	2475.91	2153.74	(322.17)	(0.13)
Mobile	2845.795	13861.74	10003.93	(3,857.80)	(0.28)
Waste	2.0335	127.2036	127.2036	-	-
Water	29.5946	132.4947	113.0382	(19.46)	(0.15)
Construction	0	148.6	148.6	-	-
Total:	5577.583	16745.96	12546.52	(4,199.43)	(0.25)

LAFC Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	7,340.00	Space	66.06	2,936,000.00	0
Arena	372.40	1000sqft	119.70	372,400.00	0

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					
2016																1,488.9637
2017																2,447.3860
2018																573.2180
Total																**4,509.5677**

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					
2016																1,488.9630
2017																2,447.3847
2018																573.2176
Total																**4,509.5653**

	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**	**N20**	**CO2e**
Percent Reduction																**0.00**

Calculation of Mobile Source Emissions

EMFAC2011 Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2015 & 2018
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Region	CalYr	Season	Veh_Class	Fuel	VMT (miles/day)	CO2_TOTEX(Pavley I+LCFS) (tons/day)	CalYr	Season	Veh_Class	Fuel	VMT (miles/day)	CO2_TOTEX(Pavley I+L (tons/day)
Los Angeles	2015	Annual	LDA	GAS	1.24E+08	45217.38717	2018	Annual	LDA	GAS	1.26E+08	40565.07
Los Angeles	2015	Annual	LDA	DSL	421929.9	128.3516243	2018	Annual	LDA	DSL	433478.5	116.5109
Los Angeles	2015	Annual	LDT1	GAS	13920097	6010.875441	2018	Annual	LDT1	GAS	14092840	5500.447
Los Angeles	2015	Annual	LDT1	DSL	19325.16	6.276483854	2018	Annual	LDT1	DSL	20431.26	5.732248
Los Angeles	2015	Annual	LDT2	GAS	41671607	21613.76801	2018	Annual	LDT2	GAS	42661580	20057
Los Angeles	2015	Annual	LDT2	DSL	19382.22	6.284561037	2018	Annual	LDT2	DSL	20657.39	5.858452
Los Angeles	2015	Annual	LHD1	GAS	7617368	5325.453894	2018	Annual	LHD1	GAS	7794303	5226.693
Los Angeles	2015	Annual	LHD1	DSL	1897965	1073.28241	2018	Annual	LHD1	DSL	1948494	1053.938
Los Angeles	2015	Annual	LHD2	GAS	836401.2	586.283728	2018	Annual	LHD2	GAS	857594.8	576.413
Los Angeles	2015	Annual	LHD2	DSL	694649.9	393.7243207	2018	Annual	LHD2	DSL	707745.2	383.5093
Los Angeles	2015	Annual	MCY	GAS	928672.9	163.0664606	2018	Annual	MCY	GAS	951168.8	163.6083
Los Angeles	2015	Annual	MDV	GAS	30106461	20340.26594	2018	Annual	MDV	GAS	30536159	18977.42
Los Angeles	2015	Annual	MDV	DSL	33255.45	10.9272303	2018	Annual	MDV	DSL	34412.11	10.20078
Los Angeles	2015	Annual	MH	GAS	390099.2	258.2794734	2018	Annual	MH	GAS	410878.5	260.6649
Los Angeles	2015	Annual	MH	DSL	52345.84	64.56416252	2018	Annual	MH	DSL	54290.02	64.31081
Los Angeles	2015	Annual	Motor Coa	DSL	173820	342.5305637	2018	Annual	Motor Coa	DSL	188383.1	353.0392
Los Angeles	2015	Annual	OBUS	GAS	204880.9	147.874922	2018	Annual	OBUS	GAS	200034.1	138.7506
Los Angeles	2015	Annual	PTO	DSL	125406.3	289.7893479	2018	Annual	PTO	DSL	139914.1	309.6787
Los Angeles	2015	Annual	SBUS	GAS	31007.22	25.33279445	2018	Annual	SBUS	GAS	32040.53	25.10427
Los Angeles	2015	Annual	SBUS	DSL	98963.09	148.9952173	2018	Annual	SBUS	DSL	100115.1	144.3766
Los Angeles	2015	Annual	T6 Ag	DSL	4516.066	5.639600855	2018	Annual	T6 Ag	DSL	4601.729	5.481824
Los Angeles	2015	Annual	T6 Public	DSL	67691.18	86.92329256	2018	Annual	T6 Public	DSL	73890.31	90.452
Los Angeles	2015	Annual	T6 CAIRP h	DSL	2535.435	3.125222985	2018	Annual	T6 CAIRP h	DSL	2642.768	3.106993
Los Angeles	2015	Annual	T6 CAIRP sı	DSL	8264.376	10.12120694	2018	Annual	T6 CAIRP sı	DSL	8934.232	10.43648
Los Angeles	2015	Annual	T6 OOS hea	DSL	1453.618	1.791755498	2018	Annual	T6 OOS hea	DSL	1515.154	1.781304
Los Angeles	2015	Annual	T6 OOS sm	DSL	4738.139	5.802698965	2018	Annual	T6 OOS sm	DSL	5122.181	5.983451
Los Angeles	2015	Annual	T6 instate c	DSL	124308.6	154.7788288	2018	Annual	T6 instate c	DSL	143213.4	170.3657
Los Angeles	2015	Annual	T6 instate c	DSL	319449.1	393.3288686	2018	Annual	T6 instate c	DSL	381241	447.9554
Los Angeles	2015	Annual	T6 instate l	DSL	624237.5	775.9170697	2018	Annual	T6 instate l	DSL	637889.1	757.3287
Los Angeles	2015	Annual	T6 instate s	DSL	1670898	2055.077757	2018	Annual	T6 instate s	DSL	1785341	2096.076
Los Angeles	2015	Annual	T6 utility	DSL	12398.34	15.74430733	2018	Annual	T6 utility	DSL	13334.1	16.11975
Los Angeles	2015	Annual	T6TS	GAS	754936.2	527.4849149	2018	Annual	T6TS	GAS	786197.1	524.9335
Los Angeles	2015	Annual	T7 Ag	DSL	10833.06	20.85058171	2018	Annual	T7 Ag	DSL	10999.97	20.33436
Los Angeles	2015	Annual	T7 CAIRP	DSL	1029658	2037.131954	2018	Annual	T7 CAIRP	DSL	1149918	2179.7
Los Angeles	2015	Annual	T7 CAIRP c	DSL	85026.58	168.3616676	2018	Annual	T7 CAIRP c	DSL	100365	190.362
Los Angeles	2015	Annual	T7 NNOOS	DSL	1158327	2304.889654	2018	Annual	T7 NNOOS	DSL	1293615	2469.878
Los Angeles	2015	Annual	T7 NOOS	DSL	374975.3	751.4347257	2018	Annual	T7 NOOS	DSL	418770.9	805.6697
Los Angeles	2015	Annual	T7 other p	DSL	0	0	2018	Annual	T7 other p	DSL	0	0
Los Angeles	2015	Annual	T7 POAK	DSL	0	0	2018	Annual	T7 POAK	DSL	0	0
Los Angeles	2015	Annual	T7 POLA	DSL	1217936	2413.699852	2018	Annual	T7 POLA	DSL	1470856	2796.903
Los Angeles	2015	Annual	T7 Public	DSL	63215.05	143.8233434	2018	Annual	T7 Public	DSL	68763.15	149.6248
Los Angeles	2015	Annual	T7 Single	DSL	522786.7	1003.00911	2018	Annual	T7 Single	DSL	583846	1077.611
Los Angeles	2015	Annual	T7 single c	DSL	219952.6	422.1107228	2018	Annual	T7 single c	DSL	259630.9	479.3926
Los Angeles	2015	Annual	T7 SWCV	DSL	171336.9	358.8495769	2018	Annual	T7 SWCV	DSL	186374.3	371.5807
Los Angeles	2015	Annual	T7 tractor	DSL	1383207	2629.366147	2018	Annual	T7 tractor	DSL	1544759	2806.262
Los Angeles	2015	Annual	T7 tractor c	DSL	163990.9	315.3834963	2018	Annual	T7 tractor c	DSL	193574	357.3914
Los Angeles	2015	Annual	T7 utility	DSL	7423.98	16.6960055	2018	Annual	T7 utility	DSL	7951.477	17.06572
Los Angeles	2015	Annual	T7IS	GAS	167235.7	113.0728823	2018	Annual	T7IS	GAS	161375.7	104.5589
Los Angeles	2015	Annual	UBUS	GAS	104853	84.49629213	2018	Annual	UBUS	GAS	106718.3	82.46423
Los Angeles	2015	Annual	UBUS	DSL	602589.5	1673.330833	2018	Annual	UBUS	DSL	613009.1	1596.576
Los Angeles	2015	Annual	All Other B	DSL	170448.5	211.9173799	2018	Annual	All Other B	DSL	184048	218.2966
				Total:	2.35E+08	120857.4735				Total:	2.4E+08	113792
				2015 Grams per Mile of CO2:		**467.5**				2018 Grams per Mile of CO2:		**431.0**

Mobile Source Emissions (annual VMT x g/mile /453.54 g/lb / 2000 lb/ton = tons per year):

Existing VMT:	5,522,200	Existing Mobile Source Emissions (tpy):	2,846
BAU VMT:	29,175,800	BAU Mobile Source Emissions (tpy):	13,862
Project VMT:	21,056,000	Project Mobile Source Emissions (tpy):	10,004

LAFC GHG Stadium Existing

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.00	1000sqft	0.80	35,000.00	0
Arena	162.27	1000sqft	8.50	162,272.00	0
High Turnover (Sit Down Restaurant)	0.00	1000sqft	0.32	14,000.00	0
Strip Mall	0.00	1000sqft	1.61	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site Specific

Construction Phase -

Vehicle Trips - site specific

Energy Use - Consistent with 2008 Scoping Plan

Water And Wastewater - Site Specific

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.85	3.55
tblEnergyUse	LightingElect	4.63	4.29
tblEnergyUse	LightingElect	9.64	8.84
tblEnergyUse	LightingElect	7.56	7.04
tblEnergyUse	T24E	2.94	2.75
tblEnergyUse	T24E	5.99	5.62
tblEnergyUse	T24E	10.52	9.91
tblEnergyUse	T24E	5.17	4.90
tblEnergyUse	T24NG	15.35	14.36
tblEnergyUse	T24NG	12.05	10.54
tblEnergyUse	T24NG	46.57	45.23
tblEnergyUse	T24NG	1.33	1.21
tblLandUse	LandUseSquareFeet	0.00	35,000.00
tblLandUse	LandUseSquareFeet	162,270.00	162,272.00
tblLandUse	LandUseSquareFeet	0.00	14,000.00
tblLandUse	LandUseSquareFeet	0.00	70,000.00

tblLandUse	LotAcreage	0.00	0.80
tblLandUse	LotAcreage	52.16	8.50
tblLandUse	LotAcreage	0.00	0.32
tblLandUse	LotAcreage	0.00	1.61
tblProjectCharacteristics	OperationalYear	2014	2015
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblWater	IndoorWaterUseRate	69,901,066.98	2,320,715.00
tblWater	OutdoorWaterUseRate	4,461,770.23	1,589,067.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area																4.2700e-003
Energy																2,700.1561
Mobile																
Waste																2.0335
Water																29.5946
Total																**4,502.3312**

Note: Mobile source calculated externally to CalEEMod using EMFAC2011 (See calculation sheet).

4.0 Operational Detail - Mobile

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

	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 Unmitigated																2,334.2134
NaturalGas Unmitigated																365.9427

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	3.05234e+006																163.8756
General Office Building	382550																20.5386
High Turnover (Sit Down Restaurant)	3.26214e+006																175.1396
Strip Mall	119000																6.3889
Total																	**365.9427**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.95538e+006				1,091.2600
General Office Building	508550				283.8123
High Turnover (Sit Down Restaurant)	656740				366.5144
Strip Mall	1.0619e+006				592.6267
Total					**2,334.2134**

6.0 Area Detail

	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					
Unmitigated																4.2700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating																0.0000
Consumer Products																0.0000
Landscaping																4.2700e-003
Total																**4.2700e-003**

7.0 Water Detail

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	2.32071 / 1.58907				29.5946
General Office Building	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	0 / 0				0.0000
Strip Mall	0 / 0				0.0000
Total					**29.5946**

8.0 Waste Detail

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	4.47				2.0335
General Office Building	0				0.0000
High Turnover (Sit Down Restaurant)	0				0.0000
Strip Mall	0				0.0000
Total					**2.0335**

9.0 Operational Offroad

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

10.0 Vegetation

LAFC GHG Project BAU

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.80	35,000.00	0
Arena	253.40	1000sqft	9.60	253,400.00	0
High Turnover (Sit Down Restaurant)	14.00	1000sqft	0.32	14,000.00	0
Strip Mall	70.00	1000sqft	1.61	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	840	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Site Specific

Construction Phase -

Vehicle Trips - site specific

Vechicle Emission Factors -

Vechicle Emission Factors -

Vechicle Emission Factors -

Energy Use - Consistent with 2008 Scoping Plan

Water And Wastewater - Site Specific

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.85	3.55
tblEnergyUse	LightingElect	4.63	4.29
tblEnergyUse	LightingElect	9.64	8.84
tblEnergyUse	LightingElect	7.56	7.04
tblEnergyUse	T24E	2.94	2.75
tblEnergyUse	T24E	5.99	5.62
tblEnergyUse	T24E	10.52	9.91
tblEnergyUse	T24E	5.17	4.90
tblEnergyUse	T24NG	15.35	14.36
tblEnergyUse	T24NG	12.05	10.54
tblEnergyUse	T24NG	46.57	45.23
tblEnergyUse	T24NG	1.33	1.21
tblLandUse	LotAcreage	81.45	9.60
tblProjectCharacteristics	CO2IntensityFactor	1227.89	840

tblProjectCharacteristics	OperationalYear	2014	2018
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblWater	IndoorWaterUseRate	109,157,147.80	20,371,388.00
tblWater	IndoorWaterUseRate	6,220,681.18	0.00
tblWater	IndoorWaterUseRate	4,249,471.97	0.00
tblWater	IndoorWaterUseRate	5,185,076.50	0.00
tblWater	OutdoorWaterUseRate	6,967,477.52	1,382,368.00
tblWater	OutdoorWaterUseRate	3,812,675.56	0.00
tblWater	OutdoorWaterUseRate	271,242.89	0.00
tblWater	OutdoorWaterUseRate	3,177,950.12	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area																9.7700e-003
Energy																2,475.9095
Mobile																
Waste																127.2036
Water																132.4947
Total																

Note: Mobile source calculated externally to CalEEMod using EMFAC2011 (See calculation sheet).

4.0 Operational Detail - Mobile

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

	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 Unmitigated																2,017.9383
NaturalGas Unmitigated																457.9713

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	4.76645e+006																255.9041
General Office Building	382550																20.5386
High Turnover (Sit Down Restaurant)	3.26214e+006																175.1396
Strip Mall	119000																6.3889
Total																	**457.9713**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	3.05347e+006				1,166.8454
General Office Building	508550				194.3360
High Turnover (Sit Down Restaurant)	656740				250.9650
Strip Mall	1.0619e+006				405.7918
Total					**2,017.9383**

6.0 Area Detail

	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					
Unmitigated																9.7700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating																0.0000
Consumer Products																0.0000
Landscaping																9.7700e-003
Total																**9.7700e-003**

7.0 Water Detail

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				132.4844
Unmitigated				132.4947

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	20.3714 / 1.38237				132.4947
General Office Building	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	0 / 0				0.0000
Strip Mall	0 / 0				0.0000
Total					**132.4947**

8.0 Waste Detail

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				127.2036
Unmitigated				127.2036

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	6.97				3.1708
General Office Building	32.55				14.8075
High Turnover (Sit Down Restaurant)	166.6				75.7890

Strip Mall	73.5			33.4363
Total				**127.2036**

9.0 Operational Offroad

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

10.0 Vegetation

LAFC GHG Project

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	35.00	1000sqft	0.80	35,000.00	0
Arena	253.40	1000sqft	9.60	253,400.00	0
High Turnover (Sit Down Restaurant)	14.00	1000sqft	0.32	14,000.00	0
Strip Mall	70.00	1000sqft	1.61	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	840	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Site Specific

Construction Phase -

Vehicle Trips - site specific

Vechicle Emission Factors -

Vechicle Emission Factors -

Vechicle Emission Factors -

Energy Use -

Water And Wastewater - Site Specific

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	81.45	9.60
tblProjectCharacteristics	CO2IntensityFactor	1227.89	840
tblProjectCharacteristics	OperationalYear	2014	2018
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblWater	IndoorWaterUseRate	109,157,147.80	20,371,388.00
tblWater	IndoorWaterUseRate	6,220,681.18	0.00
tblWater	IndoorWaterUseRate	4,249,471.97	0.00
tblWater	IndoorWaterUseRate	5,185,076.50	0.00
tblWater	OutdoorWaterUseRate	6,967,477.52	1,382,368.00
tblWater	OutdoorWaterUseRate	3,812,675.56	0.00
tblWater	OutdoorWaterUseRate	271,242.89	0.00
tblWater	OutdoorWaterUseRate	3,177,950.12	0.00

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area																9.7700e-003
Energy																2,153.7442
Mobile																
Waste																127.2036
Water																113.0382
Total																

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**3.72**

Note: Mobile source calculated externally to CalEEMod using EMFAC2011 (See calculation sheet).

4.0 Operational Detail - Mobile

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	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																1,759.2012
NaturalGas Mitigated																394.5430

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

General Office Building	290325																15.5871
High Turnover (Sit Down Restaurant)	3.10384e+006																166.6405
Strip Mall	97825																5.2521
Arena	3.85675e+006																207.0633
Total																	**394.5430**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	2.69934e+006				1,031.5204
General Office Building	429345				164.0688
High Turnover (Sit Down Restaurant)	597303				228.2519
Strip Mall	877590				335.3601
Total					**1,759.2012**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated																9.7700e-003

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating																0.0000
Consumer Products																0.0000
Landscaping																9.7700e-003
Total																**9.7700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				113.0382

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	17.9961 / 1.00927				113.0382
General Office Building	0 / 0				0.0000
High Turnover (Sit Down Restaurant)	0 / 0				0.0000
Strip Mall	0 / 0				0.0000
Total					**113.0382**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				127.2036

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	6.97				3.1708
General Office Building	32.55				14.8075
High Turnover (Sit Down Restaurant)	166.6				75.7890
Strip Mall	73.5				33.4363

Total				**127.2036**

9.0 Operational Offroad

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

10.0 Vegetation