

Sycamore Warehouse Riverside- South Coast County, Annual BAU

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,433.60	1000sqft	32.91	1,433,599.00	0
Other Asphalt Surfaces	667.40	1000sqft	15.32	667,400.00	0
Other Non-Asphalt Surfaces	1,144.76	1000sqft	26.28	1,144,757.00	0
Parking Lot	635.00	Space	5.83	254,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2010
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	1325.65	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - BAU 2010 baseline

Land Use - 80.34 gross acres per TPM 36879

Construction Phase - construction modeled separately

Off-road Equipment - per contractor

Off-road Equipment - construction modeled separately

Trips and VMT -

Grading -

Architectural Coating - per architect

Vehicle Trips - 1.68 trips/day/size per traffic study
distance to port = 76.2 mi
Vehicle Emission Factors - fleet mix calculated from defaults and traffic study
Vehicle Emission Factors - per defaults/traffic study
Vehicle Emission Factors - per defaults/traffic study
Consumer Products - no consumer product use in warehouses
Area Coating - per Architect's note
Water And Wastewater - per WSA and landscape architect
Sequestration - per landscape plan
Construction Off-road Equipment Mitigation -
Energy Mitigation -
Water Mitigation -
Waste Mitigation - per City of Riverside 2006 Diversion Rate
Energy Use -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_Nonresidential_Interior	4880070	281000
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstructionPhase	NumDays	60.00	0.00
tblLandUse	LandUseSquareFeet	1,433,600.00	1,433,599.00
tblLandUse	LandUseSquareFeet	1,144,760.00	1,144,757.00
tblLandUse	LotAcreage	5.71	5.83
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2010
tblSequestration	NumberOfNewTrees	0.00	741.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.03	0.23

tblVehicleEF	LDA	0.47	0.40
tblVehicleEF	LDA	0.47	0.40
tblVehicleEF	LDA	0.47	0.40
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT2	0.17	0.15
tblVehicleEF	LDT2	0.17	0.15
tblVehicleEF	LDT2	0.17	0.15
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.9400e-003	0.06
tblVehicleEF	LHD2	7.9400e-003	0.06
tblVehicleEF	LHD2	7.9400e-003	0.06
tblVehicleEF	MCY	6.1000e-003	5.6000e-003
tblVehicleEF	MCY	6.1000e-003	5.6000e-003
tblVehicleEF	MCY	6.1000e-003	5.6000e-003
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2740e-003	2.8000e-003
tblVehicleEF	MH	3.2740e-003	2.8000e-003
tblVehicleEF	MH	3.2740e-003	2.8000e-003
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	OBUS	1.1280e-003	8.0000e-004
tblVehicleEF	OBUS	1.1280e-003	8.0000e-004
tblVehicleEF	OBUS	1.1280e-003	8.0000e-004

tblVehicleEF	SBUS	9.7300e-004	8.0000e-004
tblVehicleEF	SBUS	9.7300e-004	8.0000e-004
tblVehicleEF	SBUS	9.7300e-004	8.0000e-004
tblVehicleEF	UBUS	1.1330e-003	9.0000e-004
tblVehicleEF	UBUS	1.1330e-003	9.0000e-004
tblVehicleEF	UBUS	1.1330e-003	9.0000e-004
tblVehicleTrips	CNW_TL	6.90	76.30
tblVehicleTrips	CNW_TTP	41.00	38.07
tblVehicleTrips	CW_TTP	59.00	61.93
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.59	1.68
tblVehicleTrips	SU_TR	2.59	1.68
tblVehicleTrips	WD_TR	2.59	1.68
tblWater	IndoorWaterUseRate	331,520,000.00	21,060,986.00
tblWater	OutdoorWaterUseRate	0.00	11,529,014.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	13.1923	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034
Energy	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	2,901.4487	2,901.4487	0.0630	0.0154	2,907.5440
Mobile	11.5275	145.3855	124.9692	0.2721	13.7263	5.4053	19.1316	3.7363	4.9711	8.7073	0.0000	25,282.2748	25,282.2748	0.7304	0.0000	25,297.6130
Waste						0.0000	0.0000		0.0000	0.0000	273.5466	0.0000	273.5466	16.1661	0.0000	613.0355
Water						0.0000	0.0000		0.0000	0.0000	6.6817	241.9184	248.6001	0.6916	0.0173	268.4857
Total	24.7363	145.5365	125.1507	0.2730	13.7263	5.4169	19.1433	3.7363	4.9827	8.7190	280.2282	28,425.7383	28,705.9665	17.6515	0.0327	29,086.7816

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	13.0621	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034
Energy	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	2,901.4487	2,901.4487	0.0630	0.0154	2,907.5440
Mobile	11.5275	145.3855	124.9692	0.2721	13.7263	5.4053	19.1316	3.7363	4.9711	8.7073	0.0000	25,282.2748	25,282.2748	0.7304	0.0000	25,297.6130
Waste						0.0000	0.0000		0.0000	0.0000	98.4768	0.0000	98.4768	5.8198	0.0000	220.6928
Water						0.0000	0.0000		0.0000	0.0000	6.6817	241.9184	248.6001	0.6914	0.0173	268.4751
Total	24.6061	145.5365	125.1507	0.2730	13.7263	5.4169	19.1433	3.7363	4.9827	8.7190	105.1584	28,425.7383	28,530.8967	7.3050	0.0327	28,694.4283

	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	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.47	0.00	0.61	58.62	0.09	1.35

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	524.6280
Total	524.6280

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	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	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	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.5275	145.3855	124.9692	0.2721	13.7263	5.4053	19.1316	3.7363	4.9711	8.7073	0.0000	25,282.2748	25,282.2748	0.7304	0.0000	25,297.6130
Unmitigated	11.5275	145.3855	124.9692	0.2721	13.7263	5.4053	19.1316	3.7363	4.9711	8.7073	0.0000	25,282.2748	25,282.2748	0.7304	0.0000	25,297.6130

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,408.45	2,408.45	2408.45	34,477,693	34,477,693
Total	2,408.45	2,408.45	2,408.45	34,477,693	34,477,693

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
--	-------	--------	----------------

Land Use	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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	76.30	61.93	0.00	38.07	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.395900	0.059700	0.152900	0.000000	0.000000	0.064800	0.086300	0.229600	0.000800	0.000900	0.005600	0.000800	0.002800

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
NaturalGas Unmitigated	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,737.7338	2,737.7338	0.0599	0.0124	2,742.8328
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,737.7338	2,737.7338	0.0599	0.0124	2,742.8328

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Fuel	3.0679e+06	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
Total		0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Fuel	3.0679e+06	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
Total		0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
--	-----------------	-----------	-----	-----	------

Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	223520	134.4036	2.9400e-003	6.1000e-004	134.6540
Unrefrigerated Warehouse-No	4.32947e+006	2,603.3302	0.0570	0.0118	2,608.1788
Total		2,737.7338	0.0599	0.0124	2,742.8328

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	223520	134.4036	2.9400e-003	6.1000e-004	134.6540
Unrefrigerated Warehouse-No	4.32947e+006	2,603.3302	0.0570	0.0118	2,608.1788
Total		2,737.7338	0.0599	0.0124	2,742.8328

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	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	13.0621	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034
Unmitigated	13.1923	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034

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	0.5398					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.6464					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1300e-003	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034
Total	13.1923	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034

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	0.4096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.6464					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1300e-003	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034
Total	13.0621	5.4000e-004	0.0551	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.0963	0.0963	3.4000e-004	0.0000	0.1034

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	248.6001	0.6916	0.0173	268.4857
Mitigated	248.6001	0.6914	0.0173	268.4751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Unrefrigerated Warehouse-No	21.061 / 11.529	248.6001	0.6916	0.0173	268.4857
Total		248.6001	0.6916	0.0173	268.4857

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	21.061 / 11.529	248.6001	0.6914	0.0173	268.4751
Total		248.6001	0.6914	0.0173	268.4751

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	98.4768	5.8198	0.0000	220.6928

Unmitigated	273.5466	16.1661	0.0000	613.0355
-------------	----------	---------	--------	----------

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Soil	1347.58	273.5466	16.1661	0.0000	613.0355
Total		273.5466	16.1661	0.0000	613.0355

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Soil	485.129	98.4768	5.8198	0.0000	220.6928

Total		98.4768	5.8198	0.0000	220.6928
-------	--	---------	--------	--------	----------

9.0 Operational Offroad

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

10.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	524.6280	0.0000	0.0000	524.6280

10.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	741	524.6280	0.0000	0.0000	524.6280
Total		524.6280	0.0000	0.0000	524.6280

Sycamore Warehouse
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,433.60	1000sqft	32.91	1,433,599.00	0
Other Asphalt Surfaces	667.40	1000sqft	15.32	667,400.00	0
Other Non-Asphalt Surfaces	1,144.76	1000sqft	26.28	1,144,757.00	0
Parking Lot	635.00	Space	5.83	254,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	955.3	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - per RPS 33% by 2020

Land Use - 80.34 gross acres per TPM 36879

Construction Phase - construction modeled separately

Off-road Equipment - per contractor

Off-road Equipment - per contractor

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - 1.68 trips/day/size per traffic study
distance to port = 76.2 mi
Vehicle Emission Factors - fleet mix calculated from defaults and traffic study
Vehicle Emission Factors - per defaults/traffic study
Vehicle Emission Factors - per defaults/traffic study
Consumer Products - no consumer product use in warehouses
Area Coating - per Architect's note
Energy Use - z
Water And Wastewater - per WSA and landscape architect
Sequestration - per landscape plan
Construction Off-road Equipment Mitigation -
Energy Mitigation - per CalGreen
Water Mitigation - per CalGreen
Waste Mitigation - per AB 341

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_Nonresidential_Interior	4880070	281000
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstructionPhase	NumDays	60.00	0.00
tblLandUse	LandUseSquareFeet	1,433,600.00	1,433,599.00
tblLandUse	LandUseSquareFeet	1,144,760.00	1,144,757.00
tblLandUse	LotAcreage	5.71	5.83
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	1325.65	955.3
tblProjectCharacteristics	OperationalYear	2014	2020
tblSequestration	NumberOfNewTrees	0.00	741.00
tblVehicleEF	HHD	0.04	0.23
tblVehicleEF	HHD	0.04	0.23

tblVehicleEF	HHD	0.04	0.23
tblVehicleEF	LDA	0.46	0.40
tblVehicleEF	LDA	0.46	0.40
tblVehicleEF	LDA	0.46	0.40
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT2	0.18	0.15
tblVehicleEF	LDT2	0.18	0.15
tblVehicleEF	LDT2	0.18	0.15
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.4600e-003	0.06
tblVehicleEF	LHD2	7.4600e-003	0.06
tblVehicleEF	LHD2	7.4600e-003	0.06
tblVehicleEF	MCY	6.5150e-003	5.6000e-003
tblVehicleEF	MCY	6.5150e-003	5.6000e-003
tblVehicleEF	MCY	6.5150e-003	5.6000e-003
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2720e-003	2.8000e-003
tblVehicleEF	MH	3.2720e-003	2.8000e-003
tblVehicleEF	MH	3.2720e-003	2.8000e-003
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	MHD	0.01	0.09
tblVehicleEF	OBUS	9.0200e-004	8.0000e-004
tblVehicleEF	OBUS	9.0200e-004	8.0000e-004

tblVehicleEF	OBUS	9.0200e-004	8.0000e-004
tblVehicleEF	SBUS	8.2800e-004	8.0000e-004
tblVehicleEF	SBUS	8.2800e-004	8.0000e-004
tblVehicleEF	SBUS	8.2800e-004	8.0000e-004
tblVehicleEF	UBUS	1.0560e-003	9.0000e-004
tblVehicleEF	UBUS	1.0560e-003	9.0000e-004
tblVehicleEF	UBUS	1.0560e-003	9.0000e-004
tblVehicleTrips	CNW_TL	6.90	76.30
tblVehicleTrips	CNW_TTP	41.00	38.07
tblVehicleTrips	CW_TTP	59.00	61.93
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.59	1.68
tblVehicleTrips	SU_TR	2.59	1.68
tblVehicleTrips	WD_TR	2.59	1.68
tblWater	IndoorWaterUseRate	331,520,000.00	21,060,986.00
tblWater	OutdoorWaterUseRate	0.00	11,529,014.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	13.1909	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017
Energy	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	2,136.6015	2,136.6015	0.0630	0.0154	2,142.6968
Mobile	3.9847	50.6042	52.6435	0.2693	13.7213	1.1192	14.8405	3.7341	1.0300	4.7641	0.0000	21,119.2696	21,119.2696	0.2909	0.0000	21,125.3781
Waste						0.0000	0.0000		0.0000	0.0000	273.5466	0.0000	273.5466	16.1661	0.0000	613.0355
Water						0.0000	0.0000		0.0000	0.0000	6.6817	174.3331	181.0148	0.6916	0.0173	200.9004
Total	17.1921	50.7550	52.8197	0.2702	13.7213	1.1308	14.8521	3.7341	1.0416	4.7757	280.2282	23,430.3005	23,710.5287	17.2119	0.0327	24,082.1125

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	13.0606	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017
Energy	0.0117	0.1059	0.0890	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	2,004.3132	2,004.3132	0.0596	0.0140	2,009.8971
Mobile	3.9847	50.6042	52.6435	0.2693	13.7213	1.1192	14.8405	3.7341	1.0300	4.7641	0.0000	21,119.2696	21,119.2696	0.2909	0.0000	21,125.3781
Waste						0.0000	0.0000		0.0000	0.0000	68.3866	0.0000	68.3866	4.0415	0.0000	153.2589
Water						0.0000	0.0000		0.0000	0.0000	5.3453	147.2674	152.6128	0.5535	0.0139	168.5414
Total	17.0570	50.7105	52.7823	0.2699	13.7213	1.1274	14.8487	3.7341	1.0382	4.7723	73.7320	23,270.9465	23,344.6785	4.9457	0.0279	23,457.1772

	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	0.79	0.09	0.07	0.10	0.00	0.30	0.02	0.00	0.32	0.07	73.69	0.68	1.54	71.27	14.74	2.60

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	524.6280
Total	524.6280

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	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	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	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9847	50.6042	52.6435	0.2693	13.7213	1.1192	14.8405	3.7341	1.0300	4.7641	0.0000	21,119.2696	21,119.2696	0.2909	0.0000	21,125.3781
Unmitigated	3.9847	50.6042	52.6435	0.2693	13.7213	1.1192	14.8405	3.7341	1.0300	4.7641	0.0000	21,119.2696	21,119.2696	0.2909	0.0000	21,125.3781

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,408.45	2,408.45	2408.45	34,477,693	34,477,693
Total	2,408.45	2,408.45	2,408.45	34,477,693	34,477,693

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	76.30	61.93	0.00	38.07	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.395900	0.059700	0.152900	0.000000	0.000000	0.064800	0.086300	0.229600	0.000800	0.000900	0.005600	0.000800	0.002800

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0117	0.1059	0.0890	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	115.2890	115.2890	2.2100e-003	2.1100e-003	115.9906
NaturalGas Unmitigated	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,889.0242	1,889.0242	0.0574	0.0119	1,893.9065
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,972.8866	1,972.8866	0.0599	0.0124	1,977.9856

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Cool	3.0679e+006	0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113
Total		0.0165	0.1504	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7149	163.7149	3.1400e-003	3.0000e-003	164.7113

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Cool	2.16043e+006	0.0117	0.1059	0.0890	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	115.2890	115.2890	2.2100e-003	2.1100e-003	115.9906
Total		0.0117	0.1059	0.0890	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	115.2890	115.2890	2.2100e-003	2.1100e-003	115.9906

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
--	-----------------	-----------	-----	-----	------

Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	223520	96.8550	2.9400e-003	6.1000e-004	97.1053
Unrefrigerated Warehouse-No	4.32947e+006	1,876.0316	0.0570	0.0118	1,880.8803
Total		1,972.8866	0.0599	0.0124	1,977.9856

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	223520	96.8550	2.9400e-003	6.1000e-004	97.1053
Unrefrigerated Warehouse-No	4.13593e+006	1,792.1693	0.0544	0.0113	1,796.8012
Total		1,889.0242	0.0573	0.0119	1,893.9065

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	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	13.0606	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017
Unmitigated	13.1909	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017

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	0.5398					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.6464					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6900e-003	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017
Total	13.1909	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017

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	0.4096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.6464					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6900e-003	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017
Total	13.0606	4.6000e-004	0.0499	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.0963	0.0963	2.6000e-004	0.0000	0.1017

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	181.0148	0.6916	0.0173	200.9004
Mitigated	152.6128	0.5535	0.0139	168.5414

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	21.061 / 11.529	181.0148	0.6916	0.0173	200.9004
Total		181.0148	0.6916	0.0173	200.9004

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	16.8488 / 11.529	152.6128	0.5535	0.0139	168.5414
Total		152.6128	0.5535	0.0139	168.5414

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	68.3866	4.0415	0.0000	153.2589
Unmitigated	273.5466	16.1661	0.0000	613.0355

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Cool	1347.58	273.5466	16.1661	0.0000	613.0355
Total		273.5466	16.1661	0.0000	613.0355

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Unrefrigerated Warehouse-No	336.895	68.3866	4.0415	0.0000	153.2589
Total		68.3866	4.0415	0.0000	153.2589

9.0 Operational Offroad

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

10.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	524.6280	0.0000	0.0000	524.6280

10.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	741	524.6280	0.0000	0.0000	524.6280
Total		524.6280	0.0000	0.0000	524.6280