

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Annual

Motor Ave Warehouse - Azusa
Los Angeles-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	97.05	1000sqft	2.23	97,048.00	0
Parking Lot	42.77	1000sqft	0.98	42,775.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Lot area is 4.2 acres (183,000 SF). 9,025 SF of lot area is landscaping, access (not parking lot), etc. CalEEMod calculates lot acreage as sum of building footprint & parking lot area.

Demolition -

Grading -

Architectural Coating - CalEEMod defaults are used for coatings. Notes on applicant's plans indicate intended compliance.

Vehicle Trips - Trip rates and C-W trip length from SCAG Travel Model per Fehr & Peers VMT analysis. Defaults used for C-C and C-NW trips.

Energy Use - Warehouse will operate 24/7.

Sequestration - Project landscape plans show 51 trees.

Construction Off-road Equipment Mitigation - SCAQMD construction emissions rules require watering of exposed surfaces. Tier 4 Final engine tiers to be required in construction bid documents and on project plans.

Water Mitigation - Applicant states that interior plumbing will achieve 20% reduction from average use.

Mobile Land Use Mitigation -

Mobile Commute Mitigation - Project applicant will have no control over end-user's operations.

Area Mitigation - 50 g/l paint conforms to Dunn-Edwards "Ultra-Low VOC" coatings specification.

Energy Mitigation - Minimum 50% energy reduction to be accomplished by requiring LED lamps. (Industry sources estimate between 60%-90% less energy consumption from standard warehouse HID lighting; 50% chosen as minimum project energy-reduction goal).

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	MaterialImported	0.00	4,620.00
tblLandUse	LandUseSquareFeet	97,050.00	97,048.00
tblLandUse	LandUseSquareFeet	42,770.00	42,775.00

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tblSequestration	NumberOfNewTrees	0.00	51.00
tblVehicleTrips	CW_TL	16.60	17.90
tblVehicleTrips	CW_TL	16.60	17.90
tblVehicleTrips	ST_TR	1.68	1.75
tblVehicleTrips	SU_TR	1.68	1.75
tblVehicleTrips	WD_TR	1.68	1.75

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2021	4-30-2021	1.0198	0.2455
2	5-1-2021	7-31-2021	0.7249	0.1739
3	8-1-2021	10-31-2021	0.7254	0.1744
4	11-1-2021	1-31-2022	0.7025	0.1737
5	2-1-2022	4-30-2022	0.5631	0.4535
		Highest	1.0198	0.4535

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3992	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003
Energy	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	129.8699	129.8699	5.2600e-003	1.1500e-003	130.3452
Mobile	0.0611	0.3343	0.9307	3.5000e-003	0.2930	2.9000e-003	0.2959	0.0786	2.7100e-003	0.0813	0.0000	323.0717	323.0717	0.0162	0.0000	323.4766
Waste						0.0000	0.0000		0.0000	0.0000	18.5189	0.0000	18.5189	1.0944	0.0000	45.8797
Water						0.0000	0.0000		0.0000	0.0000	7.1201	93.1101	100.2301	0.7351	0.0181	123.9915
Total	0.4608	0.3385	0.9360	3.5200e-003	0.2930	3.2200e-003	0.2963	0.0786	3.0300e-003	0.0816	25.6389	546.0551	571.6940	1.8510	0.0192	623.6966

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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	0.3764	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003
Energy	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	97.9547	97.9547	3.9400e-003	8.8000e-004	98.3158
Mobile	0.0611	0.3343	0.9307	3.5000e-003	0.2930	2.9000e-003	0.2959	0.0786	2.7100e-003	0.0813	0.0000	323.0717	323.0717	0.0162	0.0000	323.4766
Waste						0.0000	0.0000		0.0000	0.0000	18.5189	0.0000	18.5189	1.0944	0.0000	45.8797
Water						0.0000	0.0000		0.0000	0.0000	5.6961	74.4881	80.1841	0.5881	0.0145	99.1932
Total	0.4380	0.3385	0.9360	3.5200e-003	0.2930	3.2200e-003	0.2963	0.0786	3.0300e-003	0.0816	24.2149	495.5179	519.7328	1.7027	0.0153	566.8689

	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	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.55	9.25	9.09	8.01	20.20	9.11

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	36.1080
Total	36.1080

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	2/26/2021	5	20	
2	Site Preparation	Site Preparation	2/27/2021	3/5/2021	5	5	
3	Grading	Grading	3/6/2021	3/17/2021	5	8	
4	Building Construction	Building Construction	3/18/2021	2/2/2022	5	230	
5	Paving	Paving	2/3/2022	2/28/2022	5	18	
6	Architectural Coating	Architectural Coating	3/1/2022	3/24/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0.98

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,572; Non-Residential Outdoor: 48,524; Striped Parking Area: 2,567 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	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

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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
Demolition	6	15.00	0.00	277.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	578.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	59.00	23.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0300	0.0000	0.0300	4.5500e-003	0.0000	4.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0300	0.0155	0.0455	4.5500e-003	0.0144	0.0190	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0383	8.9400e-003	1.1000e-004	2.3800e-003	1.1000e-004	2.5000e-003	6.5000e-004	1.1000e-004	7.6000e-004	0.0000	10.5578	10.5578	7.3000e-004	0.0000	10.5761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.8200e-003	0.0388	0.0146	1.3000e-004	4.0200e-003	1.2000e-004	4.1600e-003	1.0900e-003	1.2000e-004	1.2100e-003	0.0000	12.0412	12.0412	7.7000e-004	0.0000	12.0606

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0135	0.0000	0.0135	2.0500e-003	0.0000	2.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0200	0.2328	3.9000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	4.6200e-003	0.0200	0.2328	3.9000e-004	0.0135	6.2000e-004	0.0141	2.0500e-003	6.2000e-004	2.6700e-003	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0383	8.9400e-003	1.1000e-004	2.3800e-003	1.1000e-004	2.5000e-003	6.5000e-004	1.1000e-004	7.6000e-004	0.0000	10.5578	10.5578	7.3000e-004	0.0000	10.5761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.8200e-003	0.0388	0.0146	1.3000e-004	4.0200e-003	1.2000e-004	4.1600e-003	1.0900e-003	1.2000e-004	1.2100e-003	0.0000	12.0412	12.0412	7.7000e-004	0.0000	12.0606

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453
Total	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1600e-003	5.0400e-003	0.0522	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	1.1600e-003	5.0400e-003	0.0522	1.0000e-004	0.0203	1.6000e-004	0.0205	0.0112	1.6000e-004	0.0113	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453
Total	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0265	0.0000	0.0265	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0265	4.6400e-003	0.0311	0.0135	4.2700e-003	0.0178	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4300e-003	0.0800	0.0187	2.2000e-004	4.9700e-003	2.4000e-004	5.2100e-003	1.3600e-003	2.3000e-004	1.5900e-003	0.0000	22.0304	22.0304	1.5300e-003	0.0000	22.0686
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5934	0.5934	2.0000e-005	0.0000	0.5938
Total	2.6900e-003	0.0802	0.0209	2.3000e-004	5.6300e-003	2.5000e-004	5.8700e-003	1.5300e-003	2.3000e-004	1.7700e-003	0.0000	22.6237	22.6237	1.5500e-003	0.0000	22.6624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0119	0.0000	0.0119	6.0800e-003	0.0000	6.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	6.2900e-003	0.0710	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	1.4500e-003	6.2900e-003	0.0710	1.2000e-004	0.0119	1.9000e-004	0.0121	6.0800e-003	1.9000e-004	6.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4300e-003	0.0800	0.0187	2.2000e-004	4.9700e-003	2.4000e-004	5.2100e-003	1.3600e-003	2.3000e-004	1.5900e-003	0.0000	22.0304	22.0304	1.5300e-003	0.0000	22.0686
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5934	0.5934	2.0000e-005	0.0000	0.5938
Total	2.6900e-003	0.0802	0.0209	2.3000e-004	5.6300e-003	2.5000e-004	5.8700e-003	1.5300e-003	2.3000e-004	1.7700e-003	0.0000	22.6237	22.6237	1.5500e-003	0.0000	22.6624

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1968	1.8042	1.7155	2.7900e-003		0.0992	0.0992		0.0933	0.0933	0.0000	239.7446	239.7446	0.0578	0.0000	241.1906
Total	0.1968	1.8042	1.7155	2.7900e-003		0.0992	0.0992		0.0933	0.0933	0.0000	239.7446	239.7446	0.0578	0.0000	241.1906

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3900e-003	0.2349	0.0637	6.1000e-004	0.0150	4.8000e-004	0.0155	4.3300e-003	4.6000e-004	4.7900e-003	0.0000	58.6785	58.6785	3.6000e-003	0.0000	58.7685
Worker	0.0263	0.0205	0.2309	6.7000e-004	0.0669	5.5000e-004	0.0675	0.0178	5.1000e-004	0.0183	0.0000	60.3882	60.3882	1.7800e-003	0.0000	60.4326
Total	0.0337	0.2554	0.2946	1.2800e-003	0.0819	1.0300e-003	0.0829	0.0221	9.7000e-004	0.0231	0.0000	119.0667	119.0667	5.3800e-003	0.0000	119.2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0339	0.2313	1.8071	2.7900e-003		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	239.7443	239.7443	0.0578	0.0000	241.1903
Total	0.0339	0.2313	1.8071	2.7900e-003		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	239.7443	239.7443	0.0578	0.0000	241.1903

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3900e-003	0.2349	0.0637	6.1000e-004	0.0150	4.8000e-004	0.0155	4.3300e-003	4.6000e-004	4.7900e-003	0.0000	58.6785	58.6785	3.6000e-003	0.0000	58.7685
Worker	0.0263	0.0205	0.2309	6.7000e-004	0.0669	5.5000e-004	0.0675	0.0178	5.1000e-004	0.0183	0.0000	60.3882	60.3882	1.7800e-003	0.0000	60.4326
Total	0.0337	0.2554	0.2946	1.2800e-003	0.0819	1.0300e-003	0.0829	0.0221	9.7000e-004	0.0231	0.0000	119.0667	119.0667	5.3800e-003	0.0000	119.2011

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0196	0.1796	0.1882	3.1000e-004		9.3000e-003	9.3000e-003		8.7500e-003	8.7500e-003	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080
Total	0.0196	0.1796	0.1882	3.1000e-004		9.3000e-003	9.3000e-003		8.7500e-003	8.7500e-003	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0248	6.7000e-003	7.0000e-005	1.6700e-003	5.0000e-005	1.7100e-003	4.8000e-004	4.0000e-005	5.3000e-004	0.0000	6.4626	6.4626	3.9000e-004	0.0000	6.4722
Worker	2.7400e-003	2.0500e-003	0.0236	7.0000e-005	7.4400e-003	6.0000e-005	7.4900e-003	1.9700e-003	5.0000e-005	2.0300e-003	0.0000	6.4739	6.4739	1.8000e-004	0.0000	6.4784
Total	3.5100e-003	0.0269	0.0303	1.4000e-004	9.1100e-003	1.1000e-004	9.2000e-003	2.4500e-003	9.0000e-005	2.5600e-003	0.0000	12.9365	12.9365	5.7000e-004	0.0000	12.9506

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7700e-003	0.0257	0.2008	3.1000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080
Total	3.7700e-003	0.0257	0.2008	3.1000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0248	6.7000e-003	7.0000e-005	1.6700e-003	5.0000e-005	1.7100e-003	4.8000e-004	4.0000e-005	5.3000e-004	0.0000	6.4626	6.4626	3.9000e-004	0.0000	6.4722
Worker	2.7400e-003	2.0500e-003	0.0236	7.0000e-005	7.4400e-003	6.0000e-005	7.4900e-003	1.9700e-003	5.0000e-005	2.0300e-003	0.0000	6.4739	6.4739	1.8000e-004	0.0000	6.4784
Total	3.5100e-003	0.0269	0.0303	1.4000e-004	9.1100e-003	1.1000e-004	9.2000e-003	2.4500e-003	9.0000e-005	2.5600e-003	0.0000	12.9365	12.9365	5.7000e-004	0.0000	12.9506

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	1.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

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3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9700e-003	8.5600e-003	0.1218	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	1.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2500e-003	8.5600e-003	0.1218	1.7000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

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3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.4576	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.3000e-004	3.7600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0305	1.0305	3.0000e-005	0.0000	1.0312
Total	4.4000e-004	3.3000e-004	3.7600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0305	1.0305	3.0000e-005	0.0000	1.0312

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.1600e-003	0.0165	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.4560	1.1600e-003	0.0165	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.3000e-004	3.7600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0305	1.0305	3.0000e-005	0.0000	1.0312
Total	4.4000e-004	3.3000e-004	3.7600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0305	1.0305	3.0000e-005	0.0000	1.0312

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0611	0.3343	0.9307	3.5000e-003	0.2930	2.9000e-003	0.2959	0.0786	2.7100e-003	0.0813	0.0000	323.0717	323.0717	0.0162	0.0000	323.4766
Unmitigated	0.0611	0.3343	0.9307	3.5000e-003	0.2930	2.9000e-003	0.2959	0.0786	2.7100e-003	0.0813	0.0000	323.0717	323.0717	0.0162	0.0000	323.4766

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	169.84	169.84	169.84	772,091	772,091
Total	169.84	169.84	169.84	772,091	772,091

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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	17.90	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	17.90	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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						0.0000	0.0000		0.0000	0.0000	0.0000	93.4491	93.4491	3.8600e-003	8.0000e-004	93.7834
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	125.3643	125.3643	5.1800e-003	1.0700e-003	125.8128
NaturalGas Mitigated	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324
NaturalGas Unmitigated	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324

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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					
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 Rail	84431.8	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324
Total		4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324

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					
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 Rail	84431.8	4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324
Total		4.6000e-004	4.1400e-003	3.4800e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.5056	4.5056	9.0000e-005	8.0000e-005	4.5324

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	14971.2	4.7702	2.0000e-004	4.0000e-005	4.7872
Unrefrigerated Warehouse-No Rail	378487	120.5941	4.9800e-003	1.0300e-003	121.0256
Total		125.3643	5.1800e-003	1.0700e-003	125.8128

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	7485.62	2.3851	1.0000e-004	2.0000e-005	2.3936
Unrefrigerated Warehouse-No Rail	285806	91.0640	3.7600e-003	7.8000e-004	91.3898
Total		93.4491	3.8600e-003	8.0000e-004	93.7834

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3764	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003
Unmitigated	0.3992	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-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	0.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3535					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003
Total	0.3992	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003

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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	0.0228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3535					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003
Total	0.3764	2.0000e-005	1.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4700e-003	3.4700e-003	1.0000e-005	0.0000	3.7000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.1841	0.5881	0.0145	99.1932
Unmitigated	100.2301	0.7351	0.0181	123.9915

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	22.4428 / 0	100.2301	0.7351	0.0181	123.9915
Total		100.2301	0.7351	0.0181	123.9915

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	17.9542 / 0	80.1841	0.5881	0.0145	99.1932
Total		80.1841	0.5881	0.0145	99.1932

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.5189	1.0944	0.0000	45.8797
Unmitigated	18.5189	1.0944	0.0000	45.8797

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	91.23	18.5189	1.0944	0.0000	45.8797
Total		18.5189	1.0944	0.0000	45.8797

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	91.23	18.5189	1.0944	0.0000	45.8797
Total		18.5189	1.0944	0.0000	45.8797

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	36.1080	0.0000	0.0000	36.1080

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	51	36.1080	0.0000	0.0000	36.1080
Total		36.1080	0.0000	0.0000	36.1080