

La Canada Assisted Living - 1809 Verdugo Blvd - Los Angeles-South Coast County, Annual

**La Canada Assisted Living - 1809 Verdugo Blvd**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	54.00	Dwelling Unit	0.68	54,000.00	154
Enclosed Parking with Elevator	8.00	1000sqft	0.00	8,000.00	0
Enclosed Parking with Elevator	25.00	1000sqft	0.82	25,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1115.33	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Lot Areas: 64,495 sq. ft., Three-story Residential Congregate Care, Medical Facility: 33,334 sq. ft., Two-level, Parking Structure

Land Use - The project site consists of 3 lots: 24,030 sq. ft., 5,780 sq. ft. and 35,600 sq. ft. (65,410 sq. ft. combined). The Residential Congregate Living, Medical Facility will consist of 54 rooms (77 beds) and a one-level subterranean garage with 36 parking spaces. A new two-level, at-grade, parking structure with 79 parking spaces is proposed at other portions of the site.

Grading - Amount of grading: 3,000 CY (all export)

Demolition - The existing 2-level, parking structure is approximately 15,000 square-feet

Energy Use -

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Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.38	0.68
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	0.57	0.82
tblTripsAndVMT	HaulingTripNumber	0.00	297.00

## 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	9-2-2019	12-1-2019	0.7562	0.7562
2	12-2-2019	3-1-2020	0.6181	0.6181
3	3-2-2020	6-1-2020	0.6066	0.6066
4	6-2-2020	9-1-2020	0.5072	0.5072
		Highest	0.7562	0.7562

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	0.4085	0.0205	0.9024	9.1000e-004		0.0546	0.0546		0.0546	0.0546	5.7358	11.9328	17.6686	0.0180	3.9000e-004	18.2345
Energy	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	247.0264	247.0264	6.1600e-003	1.8300e-003	247.7254
Mobile	0.0515	0.2667	0.7180	2.3400e-003	0.1835	2.4200e-003	0.1859	0.0492	2.2700e-003	0.0515	0.0000	215.5885	215.5885	0.0120	0.0000	215.8888
Waste						0.0000	0.0000		0.0000	0.0000	10.0014	0.0000	10.0014	0.5911	0.0000	24.7780
Water						0.0000	0.0000		0.0000	0.0000	1.1162	35.6434	36.7596	0.1156	2.9000e-003	40.5127
<b>Total</b>	<b>0.4639</b>	<b>0.3205</b>	<b>1.6347</b>	<b>3.4600e-003</b>	<b>0.1835</b>	<b>0.0598</b>	<b>0.2432</b>	<b>0.0492</b>	<b>0.0596</b>	<b>0.1088</b>	<b>16.8534</b>	<b>510.1911</b>	<b>527.0445</b>	<b>0.7428</b>	<b>5.1200e-003</b>	<b>547.1394</b>

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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	0.4085	0.0205	0.9024	9.1000e-004		0.0546	0.0546		0.0546	0.0546	5.7358	11.9328	17.6686	0.0180	3.9000e-004	18.2345
Energy	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	247.0264	247.0264	6.1600e-003	1.8300e-003	247.7254
Mobile	0.0515	0.2667	0.7180	2.3400e-003	0.1835	2.4200e-003	0.1859	0.0492	2.2700e-003	0.0515	0.0000	215.5885	215.5885	0.0120	0.0000	215.8888
Waste						0.0000	0.0000		0.0000	0.0000	10.0014	0.0000	10.0014	0.5911	0.0000	24.7780
Water						0.0000	0.0000		0.0000	0.0000	1.1162	35.6434	36.7596	0.1156	2.9000e-003	40.5127
<b>Total</b>	<b>0.4639</b>	<b>0.3205</b>	<b>1.6347</b>	<b>3.4600e-003</b>	<b>0.1835</b>	<b>0.0598</b>	<b>0.2432</b>	<b>0.0492</b>	<b>0.0596</b>	<b>0.1088</b>	<b>16.8534</b>	<b>510.1911</b>	<b>527.0445</b>	<b>0.7428</b>	<b>5.1200e-003</b>	<b>547.1394</b>

	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

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/2/2019	9/27/2019	5	20	
2	Site Preparation	Site Preparation	9/28/2019	10/1/2019	5	2	
3	Grading	Grading	10/2/2019	10/7/2019	5	4	
4	Building Construction	Building Construction	10/8/2019	7/13/2020	5	200	
5	Paving	Paving	7/14/2020	7/27/2020	5	10	
6	Architectural Coating	Architectural Coating	7/28/2020	8/10/2020	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0.82**

**Residential Indoor: 109,350; Residential Outdoor: 36,450; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,980 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

**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	5	13.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	297.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	53.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

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					7.3800e-003	0.0000	7.3800e-003	1.1200e-003	0.0000	1.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
<b>Total</b>	<b>0.0230</b>	<b>0.2268</b>	<b>0.1489</b>	<b>2.4000e-004</b>	<b>7.3800e-003</b>	<b>0.0129</b>	<b>0.0202</b>	<b>1.1200e-003</b>	<b>0.0120</b>	<b>0.0131</b>	<b>0.0000</b>	<b>21.4161</b>	<b>21.4161</b>	<b>5.4500e-003</b>	<b>0.0000</b>	<b>21.5524</b>



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**3.2 Demolition - 2019**

**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	3.2000e-004	0.0108	2.2900e-003	3.0000e-005	5.8000e-004	4.0000e-005	6.2000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	2.6475	2.6475	1.9000e-004	0.0000	2.6522
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	5.4000e-004	5.9000e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3694	1.3694	5.0000e-005	0.0000	1.3705
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0113</b>	<b>8.1900e-003</b>	<b>5.0000e-005</b>	<b>2.0000e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>5.4000e-004</b>	<b>5.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>4.0169</b>	<b>4.0169</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.0227</b>

**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					7.3800e-003	0.0000	7.3800e-003	1.1200e-003	0.0000	1.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
<b>Total</b>	<b>0.0230</b>	<b>0.2268</b>	<b>0.1489</b>	<b>2.4000e-004</b>	<b>7.3800e-003</b>	<b>0.0129</b>	<b>0.0202</b>	<b>1.1200e-003</b>	<b>0.0120</b>	<b>0.0131</b>	<b>0.0000</b>	<b>21.4161</b>	<b>21.4161</b>	<b>5.4500e-003</b>	<b>0.0000</b>	<b>21.5524</b>

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**3.2 Demolition - 2019**

**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	3.2000e-004	0.0108	2.2900e-003	3.0000e-005	5.8000e-004	4.0000e-005	6.2000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	2.6475	2.6475	1.9000e-004	0.0000	2.6522
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	5.4000e-004	5.9000e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3694	1.3694	5.0000e-005	0.0000	1.3705
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0113</b>	<b>8.1900e-003</b>	<b>5.0000e-005</b>	<b>2.0000e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>5.4000e-004</b>	<b>5.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>4.0169</b>	<b>4.0169</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.0227</b>

**3.3 Site Preparation - 2019**

**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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0195	7.8900e-003	2.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	1.5467	1.5467	4.9000e-004	0.0000	1.5589
<b>Total</b>	<b>1.7100e-003</b>	<b>0.0195</b>	<b>7.8900e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>8.8000e-004</b>	<b>6.6800e-003</b>	<b>2.9500e-003</b>	<b>8.1000e-004</b>	<b>3.7600e-003</b>	<b>0.0000</b>	<b>1.5467</b>	<b>1.5467</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5589</b>

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**3.3 Site Preparation - 2019**

**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	4.0000e-005	3.0000e-005	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0843	0.0843	0.0000	0.0000	0.0843
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0843</b>	<b>0.0843</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0843</b>

**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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0195	7.8900e-003	2.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	1.5467	1.5467	4.9000e-004	0.0000	1.5589
<b>Total</b>	<b>1.7100e-003</b>	<b>0.0195</b>	<b>7.8900e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>8.8000e-004</b>	<b>6.6800e-003</b>	<b>2.9500e-003</b>	<b>8.1000e-004</b>	<b>3.7600e-003</b>	<b>0.0000</b>	<b>1.5467</b>	<b>1.5467</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5589</b>

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**3.3 Site Preparation - 2019**

**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	4.0000e-005	3.0000e-005	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0843	0.0843	0.0000	0.0000	0.0843
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0843</b>	<b>0.0843</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0843</b>

**3.4 Grading - 2019**

**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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8400e-003	0.0321	0.0132	3.0000e-005		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	2.5336	2.5336	8.0000e-004	0.0000	2.5536
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0321</b>	<b>0.0132</b>	<b>3.0000e-005</b>	<b>9.8300e-003</b>	<b>1.4700e-003</b>	<b>0.0113</b>	<b>5.0500e-003</b>	<b>1.3600e-003</b>	<b>6.4100e-003</b>	<b>0.0000</b>	<b>2.5336</b>	<b>2.5336</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.5536</b>

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**3.4 Grading - 2019**

**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	1.4100e-003	0.0470	9.9800e-003	1.2000e-004	2.5500e-003	1.7000e-004	2.7200e-003	7.0000e-004	1.6000e-004	8.6000e-004	0.0000	11.5635	11.5635	8.2000e-004	0.0000	11.5839
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	8.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1685	0.1685	1.0000e-005	0.0000	0.1687
<b>Total</b>	<b>1.4900e-003</b>	<b>0.0471</b>	<b>0.0107</b>	<b>1.2000e-004</b>	<b>2.7300e-003</b>	<b>1.7000e-004</b>	<b>2.9000e-003</b>	<b>7.5000e-004</b>	<b>1.6000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>11.7320</b>	<b>11.7320</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>11.7525</b>

**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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8400e-003	0.0321	0.0132	3.0000e-005		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	2.5336	2.5336	8.0000e-004	0.0000	2.5536
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0321</b>	<b>0.0132</b>	<b>3.0000e-005</b>	<b>9.8300e-003</b>	<b>1.4700e-003</b>	<b>0.0113</b>	<b>5.0500e-003</b>	<b>1.3600e-003</b>	<b>6.4100e-003</b>	<b>0.0000</b>	<b>2.5336</b>	<b>2.5336</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.5536</b>

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**3.4 Grading - 2019**

**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	1.4100e-003	0.0470	9.9800e-003	1.2000e-004	2.5500e-003	1.7000e-004	2.7200e-003	7.0000e-004	1.6000e-004	8.6000e-004	0.0000	11.5635	11.5635	8.2000e-004	0.0000	11.5839
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	8.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1685	0.1685	1.0000e-005	0.0000	0.1687
<b>Total</b>	<b>1.4900e-003</b>	<b>0.0471</b>	<b>0.0107</b>	<b>1.2000e-004</b>	<b>2.7300e-003</b>	<b>1.7000e-004</b>	<b>2.9000e-003</b>	<b>7.5000e-004</b>	<b>1.6000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>11.7320</b>	<b>11.7320</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>11.7525</b>

**3.5 Building Construction - 2019**

**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	0.0693	0.4874	0.4114	6.7000e-004		0.0279	0.0279		0.0270	0.0270	0.0000	55.8369	55.8369	0.0107	0.0000	56.1053
<b>Total</b>	<b>0.0693</b>	<b>0.4874</b>	<b>0.4114</b>	<b>6.7000e-004</b>		<b>0.0279</b>	<b>0.0279</b>		<b>0.0270</b>	<b>0.0270</b>	<b>0.0000</b>	<b>55.8369</b>	<b>55.8369</b>	<b>0.0107</b>	<b>0.0000</b>	<b>56.1053</b>

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**3.5 Building Construction - 2019**

**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	1.4200e-003	0.0396	0.0108	9.0000e-005	2.1100e-003	2.5000e-004	2.3600e-003	6.1000e-004	2.4000e-004	8.5000e-004	0.0000	8.3897	8.3897	5.6000e-004	0.0000	8.4037
Worker	8.1000e-003	6.7500e-003	0.0734	1.9000e-004	0.0177	1.6000e-004	0.0179	4.7000e-003	1.4000e-004	4.8500e-003	0.0000	17.0275	17.0275	5.9000e-004	0.0000	17.0422
<b>Total</b>	<b>9.5200e-003</b>	<b>0.0464</b>	<b>0.0842</b>	<b>2.8000e-004</b>	<b>0.0198</b>	<b>4.1000e-004</b>	<b>0.0202</b>	<b>5.3100e-003</b>	<b>3.8000e-004</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>25.4172</b>	<b>25.4172</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>25.4458</b>

**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	0.0693	0.4874	0.4114	6.7000e-004		0.0279	0.0279		0.0270	0.0270	0.0000	55.8369	55.8369	0.0107	0.0000	56.1052
<b>Total</b>	<b>0.0693</b>	<b>0.4874</b>	<b>0.4114</b>	<b>6.7000e-004</b>		<b>0.0279</b>	<b>0.0279</b>		<b>0.0270</b>	<b>0.0270</b>	<b>0.0000</b>	<b>55.8369</b>	<b>55.8369</b>	<b>0.0107</b>	<b>0.0000</b>	<b>56.1052</b>

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**3.5 Building Construction - 2019**

**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	1.4200e-003	0.0396	0.0108	9.0000e-005	2.1100e-003	2.5000e-004	2.3600e-003	6.1000e-004	2.4000e-004	8.5000e-004	0.0000	8.3897	8.3897	5.6000e-004	0.0000	8.4037
Worker	8.1000e-003	6.7500e-003	0.0734	1.9000e-004	0.0177	1.6000e-004	0.0179	4.7000e-003	1.4000e-004	4.8500e-003	0.0000	17.0275	17.0275	5.9000e-004	0.0000	17.0422
<b>Total</b>	<b>9.5200e-003</b>	<b>0.0464</b>	<b>0.0842</b>	<b>2.8000e-004</b>	<b>0.0198</b>	<b>4.1000e-004</b>	<b>0.0202</b>	<b>5.3100e-003</b>	<b>3.8000e-004</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>25.4172</b>	<b>25.4172</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>25.4458</b>

**3.5 Building Construction - 2020**

**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	0.1411	1.0278	0.9166	1.5300e-003		0.0553	0.0553		0.0534	0.0534	0.0000	126.1718	126.1718	0.0234	0.0000	126.7573
<b>Total</b>	<b>0.1411</b>	<b>1.0278</b>	<b>0.9166</b>	<b>1.5300e-003</b>		<b>0.0553</b>	<b>0.0553</b>		<b>0.0534</b>	<b>0.0534</b>	<b>0.0000</b>	<b>126.1718</b>	<b>126.1718</b>	<b>0.0234</b>	<b>0.0000</b>	<b>126.7573</b>



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**3.5 Building Construction - 2020**

**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	2.7700e-003	0.0828	0.0224	2.0000e-004	4.8200e-003	3.9000e-004	5.2000e-003	1.3900e-003	3.7000e-004	1.7600e-003	0.0000	18.9922	18.9922	1.2100e-003	0.0000	19.0224
Worker	0.0170	0.0137	0.1516	4.2000e-004	0.0404	3.4000e-004	0.0407	0.0107	3.2000e-004	0.0110	0.0000	37.6215	37.6215	1.1900e-003	0.0000	37.6511
<b>Total</b>	<b>0.0198</b>	<b>0.0966</b>	<b>0.1741</b>	<b>6.2000e-004</b>	<b>0.0452</b>	<b>7.3000e-004</b>	<b>0.0459</b>	<b>0.0121</b>	<b>6.9000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>56.6136</b>	<b>56.6136</b>	<b>2.4000e-003</b>	<b>0.0000</b>	<b>56.6734</b>

**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	0.1411	1.0278	0.9166	1.5300e-003		0.0553	0.0553		0.0534	0.0534	0.0000	126.1716	126.1716	0.0234	0.0000	126.7572
<b>Total</b>	<b>0.1411</b>	<b>1.0278</b>	<b>0.9166</b>	<b>1.5300e-003</b>		<b>0.0553</b>	<b>0.0553</b>		<b>0.0534</b>	<b>0.0534</b>	<b>0.0000</b>	<b>126.1716</b>	<b>126.1716</b>	<b>0.0234</b>	<b>0.0000</b>	<b>126.7572</b>

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**3.5 Building Construction - 2020**

**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	2.7700e-003	0.0828	0.0224	2.0000e-004	4.8200e-003	3.9000e-004	5.2000e-003	1.3900e-003	3.7000e-004	1.7600e-003	0.0000	18.9922	18.9922	1.2100e-003	0.0000	19.0224
Worker	0.0170	0.0137	0.1516	4.2000e-004	0.0404	3.4000e-004	0.0407	0.0107	3.2000e-004	0.0110	0.0000	37.6215	37.6215	1.1900e-003	0.0000	37.6511
<b>Total</b>	<b>0.0198</b>	<b>0.0966</b>	<b>0.1741</b>	<b>6.2000e-004</b>	<b>0.0452</b>	<b>7.3000e-004</b>	<b>0.0459</b>	<b>0.0121</b>	<b>6.9000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>56.6136</b>	<b>56.6136</b>	<b>2.4000e-003</b>	<b>0.0000</b>	<b>56.6734</b>

**3.6 Paving - 2020**

**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	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8829	5.8829	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.2000e-003</b>	<b>0.0423</b>	<b>0.0444</b>	<b>7.0000e-005</b>		<b>2.3500e-003</b>	<b>2.3500e-003</b>		<b>2.1600e-003</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>5.8829</b>	<b>5.8829</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.9295</b>

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**3.6 Paving - 2020**

**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	3.0000e-004	2.4000e-004	2.6800e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6639	0.6639	2.0000e-005	0.0000	0.6644
<b>Total</b>	<b>3.0000e-004</b>	<b>2.4000e-004</b>	<b>2.6800e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6639</b>	<b>0.6639</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6644</b>

**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	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8828	5.8828	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.2000e-003</b>	<b>0.0423</b>	<b>0.0444</b>	<b>7.0000e-005</b>		<b>2.3500e-003</b>	<b>2.3500e-003</b>		<b>2.1600e-003</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>5.8828</b>	<b>5.8828</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.9295</b>

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**3.6 Paving - 2020**

**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	3.0000e-004	2.4000e-004	2.6800e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6639	0.6639	2.0000e-005	0.0000	0.6644
<b>Total</b>	<b>3.0000e-004</b>	<b>2.4000e-004</b>	<b>2.6800e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6639</b>	<b>0.6639</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6644</b>

**3.7 Architectural Coating - 2020**

**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	0.1735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
<b>Total</b>	<b>0.1747</b>	<b>8.4200e-003</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.2791</b>

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**3.7 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.0000e-004	2.2600e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5617	0.5617	2.0000e-005	0.0000	0.5622
<b>Total</b>	<b>2.5000e-004</b>	<b>2.0000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>1.0000e-005</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5617</b>	<b>0.5617</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5622</b>

**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	0.1735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
<b>Total</b>	<b>0.1747</b>	<b>8.4200e-003</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.2791</b>

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**3.7 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.0000e-004	2.2600e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5617	0.5617	2.0000e-005	0.0000	0.5622
<b>Total</b>	<b>2.5000e-004</b>	<b>2.0000e-004</b>	<b>2.2600e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>1.0000e-005</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5617</b>	<b>0.5617</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5622</b>

**4.0 Operational Detail - Mobile**

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**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	0.0515	0.2667	0.7180	2.3400e-003	0.1835	2.4200e-003	0.1859	0.0492	2.2700e-003	0.0515	0.0000	215.5885	215.5885	0.0120	0.0000	215.8888
Unmitigated	0.0515	0.2667	0.7180	2.3400e-003	0.1835	2.4200e-003	0.1859	0.0492	2.2700e-003	0.0515	0.0000	215.5885	215.5885	0.0120	0.0000	215.8888

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	147.96	118.80	131.76	483,459	483,459
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>147.96</b>	<b>118.80</b>	<b>131.76</b>	<b>483,459</b>	<b>483,459</b>

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
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Enclosed Parking with Elevator	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

**5.0 Energy Detail**

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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	208.4234	208.4234	5.4200e-003	1.1200e-003	208.8930
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	208.4234	208.4234	5.4200e-003	1.1200e-003	208.8930
NaturalGas Mitigated	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	38.6030	38.6030	7.4000e-004	7.1000e-004	38.8324
NaturalGas Unmitigated	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	38.6030	38.6030	7.4000e-004	7.1000e-004	38.8324



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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					
Congregate Care (Assisted Living)	723393	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	38.6030	38.6030	7.4000e-004	7.1000e-004	38.8324
Enclosed Parking with Elevator	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
<b>Total</b>		<b>3.9000e-003</b>	<b>0.0333</b>	<b>0.0142</b>	<b>2.1000e-004</b>		<b>2.6900e-003</b>	<b>2.6900e-003</b>		<b>2.6900e-003</b>	<b>2.6900e-003</b>	<b>0.0000</b>	<b>38.6030</b>	<b>38.6030</b>	<b>7.4000e-004</b>	<b>7.1000e-004</b>	<b>38.8324</b>

**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					
Congregate Care (Assisted Living)	723393	3.9000e-003	0.0333	0.0142	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	38.6030	38.6030	7.4000e-004	7.1000e-004	38.8324
Enclosed Parking with Elevator	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
<b>Total</b>		<b>3.9000e-003</b>	<b>0.0333</b>	<b>0.0142</b>	<b>2.1000e-004</b>		<b>2.6900e-003</b>	<b>2.6900e-003</b>		<b>2.6900e-003</b>	<b>2.6900e-003</b>	<b>0.0000</b>	<b>38.6030</b>	<b>38.6030</b>	<b>7.4000e-004</b>	<b>7.1000e-004</b>	<b>38.8324</b>

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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			
Congregate Care (Assisted Living)	218601	110.5915	2.8800e-003	5.9000e-004	110.8407
Enclosed Parking with Elevator	146500	74.1151	1.9300e-003	4.0000e-004	74.2821
Enclosed Parking with Elevator	46880	23.7168	6.2000e-004	1.3000e-004	23.7703
<b>Total</b>		<b>208.4234</b>	<b>5.4300e-003</b>	<b>1.1200e-003</b>	<b>208.8930</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	218601	110.5915	2.8800e-003	5.9000e-004	110.8407
Enclosed Parking with Elevator	146500	74.1151	1.9300e-003	4.0000e-004	74.2821
Enclosed Parking with Elevator	46880	23.7168	6.2000e-004	1.3000e-004	23.7703
<b>Total</b>		<b>208.4234</b>	<b>5.4300e-003</b>	<b>1.1200e-003</b>	<b>208.8930</b>

**6.0 Area Detail**

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**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	0.4085	0.0205	0.9024	9.1000e-004		0.0546	0.0546		0.0546	0.0546	5.7358	11.9328	17.6686	0.0180	3.9000e-004	18.2345
Unmitigated	0.4085	0.0205	0.9024	9.1000e-004		0.0546	0.0546		0.0546	0.0546	5.7358	11.9328	17.6686	0.0180	3.9000e-004	18.2345

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**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	0.0174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1769	0.0140	0.3433	8.8000e-004		0.0516	0.0516		0.0516	0.0516	5.7358	11.0223	16.7581	0.0171	3.9000e-004	17.3018
Landscaping	0.0171	6.4700e-003	0.5592	3.0000e-005		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	0.9105	0.9105	8.9000e-004	0.0000	0.9327
<b>Total</b>	<b>0.4085</b>	<b>0.0205</b>	<b>0.9024</b>	<b>9.1000e-004</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>5.7358</b>	<b>11.9328</b>	<b>17.6686</b>	<b>0.0180</b>	<b>3.9000e-004</b>	<b>18.2345</b>

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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	0.0174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1769	0.0140	0.3433	8.8000e-004		0.0516	0.0516		0.0516	0.0516	5.7358	11.0223	16.7581	0.0171	3.9000e-004	17.3018
Landscaping	0.0171	6.4700e-003	0.5592	3.0000e-005		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	0.9105	0.9105	8.9000e-004	0.0000	0.9327
<b>Total</b>	<b>0.4085</b>	<b>0.0205</b>	<b>0.9024</b>	<b>9.1000e-004</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>5.7358</b>	<b>11.9328</b>	<b>17.6686</b>	<b>0.0180</b>	<b>3.9000e-004</b>	<b>18.2345</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	36.7596	0.1156	2.9000e-003	40.5127
Unmitigated	36.7596	0.1156	2.9000e-003	40.5127

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	3.51832 / 2.21807	36.7596	0.1156	2.9000e-003	40.5127
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>36.7596</b>	<b>0.1156</b>	<b>2.9000e-003</b>	<b>40.5127</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	3.51832 / 2.21807	36.7596	0.1156	2.9000e-003	40.5127
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>36.7596</b>	<b>0.1156</b>	<b>2.9000e-003</b>	<b>40.5127</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.0014	0.5911	0.0000	24.7780
Unmitigated	10.0014	0.5911	0.0000	24.7780

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	49.27	10.0014	0.5911	0.0000	24.7780
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.0014</b>	<b>0.5911</b>	<b>0.0000</b>	<b>24.7780</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	49.27	10.0014	0.5911	0.0000	24.7780
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.0014</b>	<b>0.5911</b>	<b>0.0000</b>	<b>24.7780</b>

**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**

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**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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