

Phase		ROG	NOx	CO	SO2	PM10	PM2.5
Grading	On-Site	2	21	10	0	8	4
	Off-Site	0	0	0	0	0	0
	<b>Total</b>	<b>2</b>	<b>21</b>	<b>10</b>	<b>0</b>	<b>8</b>	<b>4</b>
Form and Pour Concrete	On-Site	6	57	34	0	3	2
	Off-Site	0	1	1	0	1	0
	<b>Total</b>	<b>6</b>	<b>58</b>	<b>35</b>	<b>0</b>	<b>3</b>	<b>3</b>
Building Construction	On-Site	2	17	15	0	1	1
	Off-Site	0	3	1	0	0	0
	<b>Total</b>	<b>2</b>	<b>20</b>	<b>16</b>	<b>0</b>	<b>1</b>	<b>1</b>
Paving	On-Site	1	12	12	0	1	1
	Off-Site	0	0	0	0	0	0
	<b>Total</b>	<b>1</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>1</b>
Architectural Coatings	On-Site	7	2	2	0	0	0
	Off-Site	0	0	0	0	0	0
	<b>Total</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>MAX</b>	<b>7</b>	<b>58</b>	<b>35</b>	<b>0</b>	<b>8</b>	<b>4</b>
		11	33	30	0	2	2

	ROG	NOx	CO	SO2	PM10	PM2.5
Area	1	0	4	0	0	0
Energy	0	0	0	0	0	0
Mobile	0	1	2	0	1	0
TOTAL	2	1	6	0	1	0

	MT CO2E
Vehicles	96
Energy	63
Area	1
Water	15
Waste	17
Construction	14
TOTAL	205
Per Service Pop	2.922933
Per Resident Only	4.092106

Sevice Population

	Residents	Employees	
Assisted Living/Memory Care	46		
Independent Living	4		
TOTAL	50	20	70

3.2 hours of nursing care per resident  
 50 residents  
 160 hours per day  
 20 # 8-hour shifts

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**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	46.00	Dwelling Unit	2.00	46,000.00	132
Retirement Community	4.00	Dwelling Unit	0.80	4,000.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2021
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	457.25	<b>CH4 Intensity (lb/MWhr)</b>	0.018	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

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Project Characteristics - Energy intensity factors updated based on SDG&E renewable procurement  
(457.25, 0.018, 0.004)

Land Use - 46 Assisted Living Units (3-story building)  
4 Independent Living Units (2 duplexes)  
2.8 acre site

Construction Phase - Grading - 1 month  
Form/Concrete - 1 month  
Building Construction - 9 months  
Furnish and Open - 1 month (added to building construction)  
Architectural coatings simultaneous with last half of building construction

Trips and VMT - Construction traffic memo

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 2.5 trips/unit (125 ADT)  
5.8 mile trip length

Woodstoves - No woodstoves or fireplaces

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Water And Wastewater - CalGreen 20% decrease in indoor water use  
(2,397,668.14, 208,492.88)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	100
tblConstructionPhase	NumDays	6.00	23.00
tblConstructionPhase	NumDays	220.00	20.00

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tblConstructionPhase	NumDays	220.00	219.00
tblConstructionPhase	NumDays	10.00	98.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	25.30	0.00
tblFireplaces	NumberGas	2.20	0.00
tblFireplaces	NumberNoFireplace	4.60	46.00
tblFireplaces	NumberNoFireplace	0.40	4.00
tblFireplaces	NumberWood	16.10	0.00
tblFireplaces	NumberWood	1.40	0.00
tblLandUse	LotAcreage	2.88	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	720.49	457.25
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblVehicleTrips	HO_TL	7.50	5.80

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tblVehicleTrips	HO_TL	7.50	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	WD_TR	2.74	2.50
tblVehicleTrips	WD_TR	2.40	2.50
tblWater	IndoorWaterUseRate	2,997,085.18	2,397,668.14
tblWater	IndoorWaterUseRate	260,616.10	208,492.88
tblWoodstoves	NumberCatalytic	2.30	0.00
tblWoodstoves	NumberCatalytic	0.20	0.00
tblWoodstoves	NumberNoncatalytic	2.30	0.00
tblWoodstoves	NumberNoncatalytic	0.20	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 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)
5	1-1-2020	3-31-2020	1.0944	1.0944
6	4-1-2020	6-30-2020	0.7270	0.7270
7	7-1-2020	9-30-2020	0.9867	0.9867
		Highest	1.0944	1.0944

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	0.2417	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211
Energy	2.0800e-003	0.0178	7.5800e-003	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	62.5204	62.5204	2.0400e-003	7.4000e-004	62.7935
Mobile	0.0318	0.1317	0.3319	1.0300e-003	0.0862	9.0000e-004	0.0871	0.0231	8.4000e-004	0.0239	0.0000	95.4229	95.4229	5.4200e-003	0.0000	95.5585
Waste						0.0000	0.0000		0.0000	0.0000	8.8951	0.0000	8.8951	0.5257	0.0000	22.0371
Water						0.0000	0.0000		0.0000	0.0000	0.8268	11.7707	12.5975	0.0854	2.1100e-003	15.3604
<b>Total</b>	<b>0.2756</b>	<b>0.1538</b>	<b>0.7116</b>	<b>1.1600e-003</b>	<b>0.0862</b>	<b>4.3900e-003</b>	<b>0.0906</b>	<b>0.0231</b>	<b>4.3300e-003</b>	<b>0.0274</b>	<b>9.7219</b>	<b>170.3205</b>	<b>180.0424</b>	<b>0.6191</b>	<b>2.8500e-003</b>	<b>196.3707</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	0.2417	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211
Energy	2.0800e-003	0.0178	7.5800e-003	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	62.5204	62.5204	2.0400e-003	7.4000e-004	62.7935
Mobile	0.0318	0.1317	0.3319	1.0300e-003	0.0862	9.0000e-004	0.0871	0.0231	8.4000e-004	0.0239	0.0000	95.4229	95.4229	5.4200e-003	0.0000	95.5585
Waste						0.0000	0.0000		0.0000	0.0000	6.6713	0.0000	6.6713	0.3943	0.0000	16.5279
Water						0.0000	0.0000		0.0000	0.0000	0.8268	11.7707	12.5975	0.0854	2.1100e-003	15.3604
<b>Total</b>	<b>0.2756</b>	<b>0.1538</b>	<b>0.7116</b>	<b>1.1600e-003</b>	<b>0.0862</b>	<b>4.3900e-003</b>	<b>0.0906</b>	<b>0.0231</b>	<b>4.3300e-003</b>	<b>0.0274</b>	<b>7.4981</b>	<b>170.3205</b>	<b>177.8186</b>	<b>0.4877</b>	<b>2.8500e-003</b>	<b>190.8614</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	22.87	0.00	1.24	21.23	0.00	2.81

**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	Grading	Grading	1/1/2020	1/31/2020	5	23	
2	Form and Pour Concrete	Building Construction	2/3/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	3/2/2020	12/31/2020	5	219	
4	Architectural Coating	Architectural Coating	7/16/2020	11/30/2020	5	98	
5	Paving	Paving	11/17/2020	11/30/2020	5	10	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 11.5**

**Acres of Paving: 0**

**Residential Indoor: 101,250; Residential Outdoor: 33,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Cranes	1	8.00	231	0.29
Form and Pour Concrete	Forklifts	2	7.00	89	0.20
Form and Pour Concrete	Generator Sets	1	8.00	84	0.74
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Rubber Tired Dozers	1	8.00	247	0.40
Form and Pour Concrete	Scrapers	1	8.00	367	0.48
Form and Pour Concrete	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Form and Pour Concrete	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Welders	3	8.00	46	0.45
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Grading	4	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	14.00	22.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 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					
Fugitive Dust					0.0754	0.0000	0.0754	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.2454	0.1143	2.4000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.8278	20.8278	6.7400e-003	0.0000	20.9962
<b>Total</b>	<b>0.0221</b>	<b>0.2454</b>	<b>0.1143</b>	<b>2.4000e-004</b>	<b>0.0754</b>	<b>0.0114</b>	<b>0.0867</b>	<b>0.0387</b>	<b>0.0105</b>	<b>0.0492</b>	<b>0.0000</b>	<b>20.8278</b>	<b>20.8278</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>20.9962</b>

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**3.2 Grading - 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	5.9000e-004	4.4000e-004	4.3100e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1671	1.1671	4.0000e-005	0.0000	1.1679
<b>Total</b>	<b>5.9000e-004</b>	<b>4.4000e-004</b>	<b>4.3100e-003</b>	<b>1.0000e-005</b>	<b>1.2900e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.1671</b>	<b>1.1671</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1679</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					0.0754	0.0000	0.0754	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.2454	0.1143	2.4000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.8277	20.8277	6.7400e-003	0.0000	20.9961
<b>Total</b>	<b>0.0221</b>	<b>0.2454</b>	<b>0.1143</b>	<b>2.4000e-004</b>	<b>0.0754</b>	<b>0.0114</b>	<b>0.0867</b>	<b>0.0387</b>	<b>0.0105</b>	<b>0.0492</b>	<b>0.0000</b>	<b>20.8277</b>	<b>20.8277</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>20.9961</b>

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**3.2 Grading - 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	5.9000e-004	4.4000e-004	4.3100e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1671	1.1671	4.0000e-005	0.0000	1.1679
<b>Total</b>	<b>5.9000e-004</b>	<b>4.4000e-004</b>	<b>4.3100e-003</b>	<b>1.0000e-005</b>	<b>1.2900e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.1671</b>	<b>1.1671</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1679</b>

**3.3 Form and Pour Concrete - 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	0.0571	0.5712	0.3439	6.8000e-004		0.0262	0.0262		0.0244	0.0244	0.0000	58.3558	58.3558	0.0164	0.0000	58.7651
<b>Total</b>	<b>0.0571</b>	<b>0.5712</b>	<b>0.3439</b>	<b>6.8000e-004</b>		<b>0.0262</b>	<b>0.0262</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>58.3558</b>	<b>58.3558</b>	<b>0.0164</b>	<b>0.0000</b>	<b>58.7651</b>

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**3.3 Form and Pour Concrete - 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	3.8000e-004	0.0114	3.0300e-003	3.0000e-005	1.1300e-003	6.0000e-005	1.1900e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	2.6386	2.6386	2.0000e-004	0.0000	2.6437
Worker	1.0300e-003	7.6000e-004	7.4900e-003	2.0000e-005	4.1900e-003	2.0000e-005	4.2100e-003	1.0700e-003	1.0000e-005	1.0900e-003	0.0000	2.0297	2.0297	6.0000e-005	0.0000	2.0312
<b>Total</b>	<b>1.4100e-003</b>	<b>0.0122</b>	<b>0.0105</b>	<b>5.0000e-005</b>	<b>5.3200e-003</b>	<b>8.0000e-005</b>	<b>5.4000e-003</b>	<b>1.3800e-003</b>	<b>6.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.6683</b>	<b>4.6683</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>4.6748</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	0.0571	0.5712	0.3439	6.8000e-004		0.0262	0.0262		0.0244	0.0244	0.0000	58.3557	58.3557	0.0164	0.0000	58.7650
<b>Total</b>	<b>0.0571</b>	<b>0.5712</b>	<b>0.3439</b>	<b>6.8000e-004</b>		<b>0.0262</b>	<b>0.0262</b>		<b>0.0244</b>	<b>0.0244</b>	<b>0.0000</b>	<b>58.3557</b>	<b>58.3557</b>	<b>0.0164</b>	<b>0.0000</b>	<b>58.7650</b>



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**3.3 Form and Pour Concrete - 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	3.8000e-004	0.0114	3.0300e-003	3.0000e-005	1.1300e-003	6.0000e-005	1.1900e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	2.6386	2.6386	2.0000e-004	0.0000	2.6437
Worker	1.0300e-003	7.6000e-004	7.4900e-003	2.0000e-005	4.1900e-003	2.0000e-005	4.2100e-003	1.0700e-003	1.0000e-005	1.0900e-003	0.0000	2.0297	2.0297	6.0000e-005	0.0000	2.0312
<b>Total</b>	<b>1.4100e-003</b>	<b>0.0122</b>	<b>0.0105</b>	<b>5.0000e-005</b>	<b>5.3200e-003</b>	<b>8.0000e-005</b>	<b>5.4000e-003</b>	<b>1.3800e-003</b>	<b>6.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.6683</b>	<b>4.6683</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>4.6748</b>

**3.4 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	0.2505	1.9090	1.6312	2.7400e-003		0.1038	0.1038		0.0995	0.0995	0.0000	227.3706	227.3706	0.0462	0.0000	228.5243
<b>Total</b>	<b>0.2505</b>	<b>1.9090</b>	<b>1.6312</b>	<b>2.7400e-003</b>		<b>0.1038</b>	<b>0.1038</b>		<b>0.0995</b>	<b>0.0995</b>	<b>0.0000</b>	<b>227.3706</b>	<b>227.3706</b>	<b>0.0462</b>	<b>0.0000</b>	<b>228.5243</b>

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**3.4 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	9.1800e-003	0.2746	0.0730	6.5000e-004	0.0160	1.3400e-003	0.0173	4.6200e-003	1.2800e-003	5.9000e-003	0.0000	63.5642	63.5642	4.8700e-003	0.0000	63.6860
Worker	5.6500e-003	4.1800e-003	0.0410	1.2000e-004	0.0123	9.0000e-005	0.0124	3.2700e-003	8.0000e-005	3.3500e-003	0.0000	11.1123	11.1123	3.3000e-004	0.0000	11.1207
<b>Total</b>	<b>0.0148</b>	<b>0.2788</b>	<b>0.1140</b>	<b>7.7000e-004</b>	<b>0.0283</b>	<b>1.4300e-003</b>	<b>0.0297</b>	<b>7.8900e-003</b>	<b>1.3600e-003</b>	<b>9.2500e-003</b>	<b>0.0000</b>	<b>74.6766</b>	<b>74.6766</b>	<b>5.2000e-003</b>	<b>0.0000</b>	<b>74.8067</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	0.2505	1.9090	1.6312	2.7400e-003		0.1038	0.1038		0.0995	0.0995	0.0000	227.3704	227.3704	0.0462	0.0000	228.5240
<b>Total</b>	<b>0.2505</b>	<b>1.9090</b>	<b>1.6312</b>	<b>2.7400e-003</b>		<b>0.1038</b>	<b>0.1038</b>		<b>0.0995</b>	<b>0.0995</b>	<b>0.0000</b>	<b>227.3704</b>	<b>227.3704</b>	<b>0.0462</b>	<b>0.0000</b>	<b>228.5240</b>

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**3.4 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	9.1800e-003	0.2746	0.0730	6.5000e-004	0.0160	1.3400e-003	0.0173	4.6200e-003	1.2800e-003	5.9000e-003	0.0000	63.5642	63.5642	4.8700e-003	0.0000	63.6860
Worker	5.6500e-003	4.1800e-003	0.0410	1.2000e-004	0.0123	9.0000e-005	0.0124	3.2700e-003	8.0000e-005	3.3500e-003	0.0000	11.1123	11.1123	3.3000e-004	0.0000	11.1207
<b>Total</b>	<b>0.0148</b>	<b>0.2788</b>	<b>0.1140</b>	<b>7.7000e-004</b>	<b>0.0283</b>	<b>1.4300e-003</b>	<b>0.0297</b>	<b>7.8900e-003</b>	<b>1.3600e-003</b>	<b>9.2500e-003</b>	<b>0.0000</b>	<b>74.6766</b>	<b>74.6766</b>	<b>5.2000e-003</b>	<b>0.0000</b>	<b>74.8067</b>

**3.5 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	0.3520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0825	0.0897	1.5000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003	0.0000	12.5109	12.5109	9.7000e-004	0.0000	12.5352
<b>Total</b>	<b>0.3638</b>	<b>0.0825</b>	<b>0.0897</b>	<b>1.5000e-004</b>		<b>5.4400e-003</b>	<b>5.4400e-003</b>		<b>5.4400e-003</b>	<b>5.4400e-003</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>12.5352</b>

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**3.5 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	1.2600e-003	9.4000e-004	9.1800e-003	3.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.4863	2.4863	7.0000e-005	0.0000	2.4882
<b>Total</b>	<b>1.2600e-003</b>	<b>9.4000e-004</b>	<b>9.1800e-003</b>	<b>3.0000e-005</b>	<b>2.7500e-003</b>	<b>2.0000e-005</b>	<b>2.7700e-003</b>	<b>7.3000e-004</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.4863</b>	<b>2.4863</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.4882</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	0.3520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0825	0.0897	1.5000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003	0.0000	12.5109	12.5109	9.7000e-004	0.0000	12.5351
<b>Total</b>	<b>0.3638</b>	<b>0.0825</b>	<b>0.0897</b>	<b>1.5000e-004</b>		<b>5.4400e-003</b>	<b>5.4400e-003</b>		<b>5.4400e-003</b>	<b>5.4400e-003</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>12.5351</b>

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**3.5 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	1.2600e-003	9.4000e-004	9.1800e-003	3.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.4863	2.4863	7.0000e-005	0.0000	2.4882
<b>Total</b>	<b>1.2600e-003</b>	<b>9.4000e-004</b>	<b>9.1800e-003</b>	<b>3.0000e-005</b>	<b>2.7500e-003</b>	<b>2.0000e-005</b>	<b>2.7700e-003</b>	<b>7.3000e-004</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.4863</b>	<b>2.4863</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.4882</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	5.7700e-003	0.0579	0.0590	9.0000e-005		3.2800e-003	3.2800e-003		3.0300e-003	3.0300e-003	0.0000	7.7529	7.7529	2.4600e-003	0.0000	7.8143
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>5.7700e-003</b>	<b>0.0579</b>	<b>0.0590</b>	<b>9.0000e-005</b>		<b>3.2800e-003</b>	<b>3.2800e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>7.7529</b>	<b>7.7529</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8143</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	2.8000e-004	2.0000e-004	2.0100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5437	0.5437	2.0000e-005	0.0000	0.5441
<b>Total</b>	<b>2.8000e-004</b>	<b>2.0000e-004</b>	<b>2.0100e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</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>0.5437</b>	<b>0.5437</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5441</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	5.7700e-003	0.0579	0.0590	9.0000e-005		3.2800e-003	3.2800e-003		3.0300e-003	3.0300e-003	0.0000	7.7529	7.7529	2.4600e-003	0.0000	7.8143
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>5.7700e-003</b>	<b>0.0579</b>	<b>0.0590</b>	<b>9.0000e-005</b>		<b>3.2800e-003</b>	<b>3.2800e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>7.7529</b>	<b>7.7529</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8143</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	2.8000e-004	2.0000e-004	2.0100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5437	0.5437	2.0000e-005	0.0000	0.5441
<b>Total</b>	<b>2.8000e-004</b>	<b>2.0000e-004</b>	<b>2.0100e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</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>0.5437</b>	<b>0.5437</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5441</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	0.0318	0.1317	0.3319	1.0300e-003	0.0862	9.0000e-004	0.0871	0.0231	8.4000e-004	0.0239	0.0000	95.4229	95.4229	5.4200e-003	0.0000	95.5585
Unmitigated	0.0318	0.1317	0.3319	1.0300e-003	0.0862	9.0000e-004	0.0871	0.0231	8.4000e-004	0.0239	0.0000	95.4229	95.4229	5.4200e-003	0.0000	95.5585

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	115.00	101.20	112.24	211,165	211,165
Retirement Community	10.00	8.12	7.80	17,655	17,655
Total	125.00	109.32	120.04	228,820	228,820

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 Living)	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3
Retirement Community	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Retirement Community	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193



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**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	41.8887	41.8887	1.6500e-003	3.7000e-004	42.0391
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	41.8887	41.8887	1.6500e-003	3.7000e-004	42.0391
NaturalGas Mitigated	2.0800e-003	0.0178	7.5800e-003	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6317	20.6317	4.0000e-004	3.8000e-004	20.7543
NaturalGas Unmitigated	2.0800e-003	0.0178	7.5800e-003	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6317	20.6317	4.0000e-004	3.8000e-004	20.7543

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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)	341722	1.8400e-003	0.0158	6.7000e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2356	18.2356	3.5000e-004	3.3000e-004	18.3440
Retirement Community	44902	2.4000e-004	2.0700e-003	8.8000e-004	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3961	2.3961	5.0000e-005	4.0000e-005	2.4104
<b>Total</b>		<b>2.0800e-003</b>	<b>0.0178</b>	<b>7.5800e-003</b>	<b>1.1000e-004</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>20.6317</b>	<b>20.6317</b>	<b>4.0000e-004</b>	<b>3.7000e-004</b>	<b>20.7543</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)	341722	1.8400e-003	0.0158	6.7000e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2356	18.2356	3.5000e-004	3.3000e-004	18.3440
Retirement Community	44902	2.4000e-004	2.0700e-003	8.8000e-004	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.3961	2.3961	5.0000e-005	4.0000e-005	2.4104
<b>Total</b>		<b>2.0800e-003</b>	<b>0.0178</b>	<b>7.5800e-003</b>	<b>1.1000e-004</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>20.6317</b>	<b>20.6317</b>	<b>4.0000e-004</b>	<b>3.7000e-004</b>	<b>20.7543</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)	184227	38.2096	1.5000e-003	3.3000e-004	38.3468
Retirement Community	17738.9	3.6791	1.4000e-004	3.0000e-005	3.6924
<b>Total</b>		<b>41.8887</b>	<b>1.6400e-003</b>	<b>3.6000e-004</b>	<b>42.0391</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	184227	38.2096	1.5000e-003	3.3000e-004	38.3468
Retirement Community	17738.9	3.6791	1.4000e-004	3.0000e-005	3.6924
<b>Total</b>		<b>41.8887</b>	<b>1.6400e-003</b>	<b>3.6000e-004</b>	<b>42.0391</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	0.2417	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211
Unmitigated	0.2417	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211

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	0.0352					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1953					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0113	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211
<b>Total</b>	<b>0.2417</b>	<b>4.2900e-003</b>	<b>0.3721</b>	<b>2.0000e-005</b>		<b>2.0500e-003</b>	<b>2.0500e-003</b>		<b>2.0500e-003</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>0.6064</b>	<b>0.6064</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.6211</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	0.0352					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1953					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0113	4.2900e-003	0.3721	2.0000e-005		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	0.6064	0.6064	5.9000e-004	0.0000	0.6211
<b>Total</b>	<b>0.2417</b>	<b>4.2900e-003</b>	<b>0.3721</b>	<b>2.0000e-005</b>		<b>2.0500e-003</b>	<b>2.0500e-003</b>		<b>2.0500e-003</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>0.6064</b>	<b>0.6064</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.6211</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.5975	0.0854	2.1100e-003	15.3604
Unmitigated	12.5975	0.0854	2.1100e-003	15.3604

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	2.39767 / 1.88947	11.5897	0.0786	1.9400e-003	14.1315
Retirement Community	0.208493 / 0.164301	1.0078	6.8300e-003	1.7000e-004	1.2288
<b>Total</b>		<b>12.5975</b>	<b>0.0854</b>	<b>2.1100e-003</b>	<b>15.3604</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)	2.39767 / 1.88947	11.5897	0.0786	1.9400e-003	14.1315
Retirement Community	0.208493 / 0.164301	1.0078	6.8300e-003	1.7000e-004	1.2288
<b>Total</b>		<b>12.5975</b>	<b>0.0854</b>	<b>2.1100e-003</b>	<b>15.3604</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.6713	0.3943	0.0000	16.5279
Unmitigated	8.8951	0.5257	0.0000	22.0371

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	41.98	8.5216	0.5036	0.0000	21.1118
Retirement Community	1.84	0.3735	0.0221	0.0000	0.9253
<b>Total</b>		<b>8.8951</b>	<b>0.5257</b>	<b>0.0000</b>	<b>22.0372</b>



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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	31.485	6.3912	0.3777	0.0000	15.8339
Retirement Community	1.38	0.2801	0.0166	0.0000	0.6940
<b>Total</b>		<b>6.6713</b>	<b>0.3943</b>	<b>0.0000</b>	<b>16.5279</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**

**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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9103 Lantern Crest - San Diego County APCD Air District, Summer

**9103 Lantern Crest**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	46.00	Dwelling Unit	2.00	46,000.00	132
Retirement Community	4.00	Dwelling Unit	0.80	4,000.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2021
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	457.25	<b>CH4 Intensity (lb/MWhr)</b>	0.018	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

9103 Lantern Crest - San Diego County APCD Air District, Summer

Project Characteristics - Energy intensity factors updated based on SDG&E renewable procurement  
(457.25, 0.018, 0.004)

Land Use - 46 Assisted Living Units (3-story building)  
4 Independent Living Units (2 duplexes)  
2.8 acre site

Construction Phase - Grading - 1 month  
Form/Concrete - 1 month  
Building Construction - 9 months  
Furnish and Open - 1 month (added to building construction)  
Architectural coatings simultaneous with last half of building construction

Trips and VMT - Construction traffic memo

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 2.5 trips/unit (125 ADT)  
5.8 mile trip length

Woodstoves - No woodstoves or fireplaces

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Water And Wastewater - CalGreen 20% decrease in indoor water use  
(2,397,668.14, 208,492.88)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	100
tblConstructionPhase	NumDays	6.00	23.00
tblConstructionPhase	NumDays	220.00	20.00

## 9103 Lantern Crest - San Diego County APCD Air District, Summer

tblConstructionPhase	NumDays	220.00	219.00
tblConstructionPhase	NumDays	10.00	98.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	25.30	0.00
tblFireplaces	NumberGas	2.20	0.00
tblFireplaces	NumberNoFireplace	4.60	46.00
tblFireplaces	NumberNoFireplace	0.40	4.00
tblFireplaces	NumberWood	16.10	0.00
tblFireplaces	NumberWood	1.40	0.00
tblLandUse	LotAcreage	2.88	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	720.49	457.25
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblVehicleTrips	HO_TL	7.50	5.80

## 9103 Lantern Crest - San Diego County APCD Air District, Summer

tblVehicleTrips	HO_TL	7.50	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	WD_TR	2.74	2.50
tblVehicleTrips	WD_TR	2.40	2.50
tblWater	IndoorWaterUseRate	2,997,085.18	2,397,668.14
tblWater	IndoorWaterUseRate	260,616.10	208,492.88
tblWoodstoves	NumberCatalytic	2.30	0.00
tblWoodstoves	NumberCatalytic	0.20	0.00
tblWoodstoves	NumberNoncatalytic	2.30	0.00
tblWoodstoves	NumberNoncatalytic	0.20	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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9103 Lantern Crest - San Diego County APCD Air District, Summer

**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	lb/day										lb/day					
Area	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Energy	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
Mobile	0.1897	0.7223	1.8863	6.0800e-003	0.4969	5.0600e-003	0.5020	0.1328	4.7300e-003	0.1375		618.2238	618.2238	0.0336		619.0647
<b>Total</b>	<b>1.5893</b>	<b>0.8676</b>	<b>6.0619</b>	<b>6.9200e-003</b>	<b>0.4969</b>	<b>0.0357</b>	<b>0.5327</b>	<b>0.1328</b>	<b>0.0354</b>	<b>0.1682</b>	<b>0.0000</b>	<b>750.2684</b>	<b>750.2684</b>	<b>0.0432</b>	<b>2.2800e-003</b>	<b>752.0297</b>

**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	lb/day										lb/day					
Area	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Energy	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
Mobile	0.1897	0.7223	1.8863	6.0800e-003	0.4969	5.0600e-003	0.5020	0.1328	4.7300e-003	0.1375		618.2238	618.2238	0.0336		619.0647
<b>Total</b>	<b>1.5893</b>	<b>0.8676</b>	<b>6.0619</b>	<b>6.9200e-003</b>	<b>0.4969</b>	<b>0.0357</b>	<b>0.5327</b>	<b>0.1328</b>	<b>0.0354</b>	<b>0.1682</b>	<b>0.0000</b>	<b>750.2684</b>	<b>750.2684</b>	<b>0.0432</b>	<b>2.2800e-003</b>	<b>752.0297</b>



## 9103 Lantern Crest - San Diego County APCD Air District, Summer

	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

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2020	1/31/2020	5	23	
2	Form and Pour Concrete	Building Construction	2/3/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	3/2/2020	12/31/2020	5	219	
4	Architectural Coating	Architectural Coating	7/16/2020	11/30/2020	5	98	
5	Paving	Paving	11/17/2020	11/30/2020	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11.5

Acres of Paving: 0

Residential Indoor: 101,250; Residential Outdoor: 33,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## 9103 Lantern Crest - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Cranes	1	8.00	231	0.29
Form and Pour Concrete	Forklifts	2	7.00	89	0.20
Form and Pour Concrete	Generator Sets	1	8.00	84	0.74
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Rubber Tired Dozers	1	8.00	247	0.40
Form and Pour Concrete	Scrapers	1	8.00	367	0.48
Form and Pour Concrete	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Form and Pour Concrete	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Welders	3	8.00	46	0.45
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Grading	4	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	14.00	22.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.5523</b>	<b>0.9902</b>	<b>7.5425</b>	<b>3.3675</b>	<b>0.9110</b>	<b>4.2784</b>		<b>1,996.4061</b>	<b>1,996.4061</b>	<b>0.6457</b>		<b>2,012.5480</b>

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**3.2 Grading - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0346	0.3968	1.1800e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		117.9846	117.9846	3.5200e-003		118.0727
<b>Total</b>	<b>0.0514</b>	<b>0.0346</b>	<b>0.3968</b>	<b>1.1800e-003</b>	<b>0.1150</b>	<b>8.1000e-004</b>	<b>0.1158</b>	<b>0.0305</b>	<b>7.4000e-004</b>	<b>0.0313</b>		<b>117.9846</b>	<b>117.9846</b>	<b>3.5200e-003</b>		<b>118.0727</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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.5523</b>	<b>0.9902</b>	<b>7.5425</b>	<b>3.3675</b>	<b>0.9110</b>	<b>4.2784</b>	<b>0.0000</b>	<b>1,996.4061</b>	<b>1,996.4061</b>	<b>0.6457</b>		<b>2,012.5480</b>

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**3.2 Grading - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0346	0.3968	1.1800e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		117.9846	117.9846	3.5200e-003		118.0727
<b>Total</b>	<b>0.0514</b>	<b>0.0346</b>	<b>0.3968</b>	<b>1.1800e-003</b>	<b>0.1150</b>	<b>8.1000e-004</b>	<b>0.1158</b>	<b>0.0305</b>	<b>7.4000e-004</b>	<b>0.0313</b>		<b>117.9846</b>	<b>117.9846</b>	<b>3.5200e-003</b>		<b>118.0727</b>

**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Off-Road	5.7047	57.1162	34.3907	0.0678		2.6156	2.6156		2.4429	2.4429		6,432.6236	6,432.6236	1.8047		6,477.7415
<b>Total</b>	<b>5.7047</b>	<b>57.1162</b>	<b>34.3907</b>	<b>0.0678</b>		<b>2.6156</b>	<b>2.6156</b>		<b>2.4429</b>	<b>2.4429</b>		<b>6,432.6236</b>	<b>6,432.6236</b>	<b>1.8047</b>		<b>6,477.7415</b>

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**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.1276	0.2873	2.7400e-003	0.1160	5.5200e-003	0.1215	0.0313	5.2800e-003	0.0366		294.0401	294.0401	0.0217		294.5824
Worker	0.1028	0.0692	0.7937	2.3700e-003	0.4299	1.6100e-003	0.4315	0.1101	1.4900e-003	0.1116		235.9692	235.9692	7.0500e-003		236.1453
<b>Total</b>	<b>0.1401</b>	<b>1.1968</b>	<b>1.0809</b>	<b>5.1100e-003</b>	<b>0.5459</b>	<b>7.1300e-003</b>	<b>0.5530</b>	<b>0.1414</b>	<b>6.7700e-003</b>	<b>0.1482</b>		<b>530.0093</b>	<b>530.0093</b>	<b>0.0287</b>		<b>530.7277</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	lb/day										lb/day					
Off-Road	5.7047	57.1162	34.3907	0.0678		2.6156	2.6156		2.4429	2.4429	0.0000	6,432.6236	6,432.6236	1.8047		6,477.7415
<b>Total</b>	<b>5.7047</b>	<b>57.1162</b>	<b>34.3907</b>	<b>0.0678</b>		<b>2.6156</b>	<b>2.6156</b>		<b>2.4429</b>	<b>2.4429</b>	<b>0.0000</b>	<b>6,432.6236</b>	<b>6,432.6236</b>	<b>1.8047</b>		<b>6,477.7415</b>

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**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.1276	0.2873	2.7400e-003	0.1160	5.5200e-003	0.1215	0.0313	5.2800e-003	0.0366		294.0401	294.0401	0.0217		294.5824
Worker	0.1028	0.0692	0.7937	2.3700e-003	0.4299	1.6100e-003	0.4315	0.1101	1.4900e-003	0.1116		235.9692	235.9692	7.0500e-003		236.1453
<b>Total</b>	<b>0.1401</b>	<b>1.1968</b>	<b>1.0809</b>	<b>5.1100e-003</b>	<b>0.5459</b>	<b>7.1300e-003</b>	<b>0.5530</b>	<b>0.1414</b>	<b>6.7700e-003</b>	<b>0.1482</b>		<b>530.0093</b>	<b>530.0093</b>	<b>0.0287</b>		<b>530.7277</b>

**3.4 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	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>		<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

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**3.4 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0822	2.4807	0.6320	6.0200e-003	0.1489	0.0121	0.1611	0.0429	0.0116	0.0545		646.8882	646.8882	0.0477		648.0812
Worker	0.0514	0.0346	0.3968	1.1800e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		117.9846	117.9846	3.5200e-003		118.0727
<b>Total</b>	<b>0.1336</b>	<b>2.5153</b>	<b>1.0288</b>	<b>7.2000e-003</b>	<b>0.2639</b>	<b>0.0130</b>	<b>0.2769</b>	<b>0.0734</b>	<b>0.0124</b>	<b>0.0857</b>		<b>764.8728</b>	<b>764.8728</b>	<b>0.0512</b>		<b>766.1539</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	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>	<b>0.0000</b>	<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>



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**3.4 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0822	2.4807	0.6320	6.0200e-003	0.1489	0.0121	0.1611	0.0429	0.0116	0.0545		646.8882	646.8882	0.0477		648.0812
Worker	0.0514	0.0346	0.3968	1.1800e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		117.9846	117.9846	3.5200e-003		118.0727
<b>Total</b>	<b>0.1336</b>	<b>2.5153</b>	<b>1.0288</b>	<b>7.2000e-003</b>	<b>0.2639</b>	<b>0.0130</b>	<b>0.2769</b>	<b>0.0734</b>	<b>0.0124</b>	<b>0.0857</b>		<b>764.8728</b>	<b>764.8728</b>	<b>0.0512</b>		<b>766.1539</b>

**3.5 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	lb/day										lb/day					
Archit. Coating	7.1831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>7.4253</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

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**3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0257	0.0173	0.1984	5.9000e-004	0.0575	4.0000e-004	0.0579	0.0153	3.7000e-004	0.0156		58.9923	58.9923	1.7600e-003		59.0363
<b>Total</b>	<b>0.0257</b>	<b>0.0173</b>	<b>0.1984</b>	<b>5.9000e-004</b>	<b>0.0575</b>	<b>4.0000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.7000e-004</b>	<b>0.0156</b>		<b>58.9923</b>	<b>58.9923</b>	<b>1.7600e-003</b>		<b>59.0363</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	lb/day										lb/day					
Archit. Coating	7.1831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>7.4253</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

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**3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0257	0.0173	0.1984	5.9000e-004	0.0575	4.0000e-004	0.0579	0.0153	3.7000e-004	0.0156		58.9923	58.9923	1.7600e-003		59.0363
<b>Total</b>	<b>0.0257</b>	<b>0.0173</b>	<b>0.1984</b>	<b>5.9000e-004</b>	<b>0.0575</b>	<b>4.0000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.7000e-004</b>	<b>0.0156</b>		<b>58.9923</b>	<b>58.9923</b>	<b>1.7600e-003</b>		<b>59.0363</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	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>		<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064
<b>Total</b>	<b>0.0550</b>	<b>0.0371</b>	<b>0.4252</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.6000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.0000e-004</b>	<b>0.0335</b>		<b>126.4121</b>	<b>126.4121</b>	<b>3.7700e-003</b>		<b>126.5064</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	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>	<b>0.0000</b>	<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

9103 Lantern Crest - San Diego County APCD Air District, Summer

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064
<b>Total</b>	<b>0.0550</b>	<b>0.0371</b>	<b>0.4252</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.6000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.0000e-004</b>	<b>0.0335</b>		<b>126.4121</b>	<b>126.4121</b>	<b>3.7700e-003</b>		<b>126.5064</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

9103 Lantern Crest - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1897	0.7223	1.8863	6.0800e-003	0.4969	5.0600e-003	0.5020	0.1328	4.7300e-003	0.1375		618.2238	618.2238	0.0336		619.0647
Unmitigated	0.1897	0.7223	1.8863	6.0800e-003	0.4969	5.0600e-003	0.5020	0.1328	4.7300e-003	0.1375		618.2238	618.2238	0.0336		619.0647

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	115.00	101.20	112.24	211,165	211,165
Retirement Community	10.00	8.12	7.80	17,655	17,655
<b>Total</b>	<b>125.00</b>	<b>109.32</b>	<b>120.04</b>	<b>228,820</b>	<b>228,820</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 Living)	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3
Retirement Community	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Retirement Community	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

9103 Lantern Crest - San Diego County APCD Air District, Summer

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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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	lb/day										lb/day					
NaturalGas Mitigated	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
NaturalGas Unmitigated	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575

9103 Lantern Crest - San Diego County APCD Air District, Summer

**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	lb/day										lb/day					
Congregate Care (Assisted Living)	936.225	0.0101	0.0863	0.0367	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003		110.1441	110.1441	2.1100e-003	2.0200e-003	110.7986
Retirement Community	123.019	1.3300e-003	0.0113	4.8200e-003	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.4728	14.4728	2.8000e-004	2.7000e-004	14.5588
<b>Total</b>		<b>0.0114</b>	<b>0.0976</b>	<b>0.0415</b>	<b>6.2000e-004</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>124.6169</b>	<b>124.6169</b>	<b>2.3900e-003</b>	<b>2.2900e-003</b>	<b>125.3575</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	lb/day										lb/day					
Congregate Care (Assisted Living)	0.936225	0.0101	0.0863	0.0367	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003		110.1441	110.1441	2.1100e-003	2.0200e-003	110.7986
Retirement Community	0.123019	1.3300e-003	0.0113	4.8200e-003	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.4728	14.4728	2.8000e-004	2.7000e-004	14.5588
<b>Total</b>		<b>0.0114</b>	<b>0.0976</b>	<b>0.0415</b>	<b>6.2000e-004</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>124.6169</b>	<b>124.6169</b>	<b>2.3900e-003</b>	<b>2.2900e-003</b>	<b>125.3575</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



9103 Lantern Crest - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Unmitigated	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076

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	lb/day										lb/day					
Architectural Coating	0.1929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1253	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228		7.4276	7.4276	7.2000e-003		7.6076
<b>Total</b>	<b>1.3881</b>	<b>0.0477</b>	<b>4.1340</b>	<b>2.2000e-004</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0228</b>	<b>0.0228</b>	<b>0.0000</b>	<b>7.4276</b>	<b>7.4276</b>	<b>7.2000e-003</b>	<b>0.0000</b>	<b>7.6076</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	lb/day										lb/day					
Architectural Coating	0.1929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1253	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228		7.4276	7.4276	7.2000e-003		7.6076
<b>Total</b>	<b>1.3881</b>	<b>0.0477</b>	<b>4.1340</b>	<b>2.2000e-004</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0228</b>	<b>0.0228</b>	<b>0.0000</b>	<b>7.4276</b>	<b>7.4276</b>	<b>7.2000e-003</b>	<b>0.0000</b>	<b>7.6076</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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9103 Lantern Crest - San Diego County APCD Air District, Summer

## 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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9103 Lantern Crest - San Diego County APCD Air District, Winter

**9103 Lantern Crest**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	46.00	Dwelling Unit	2.00	46,000.00	132
Retirement Community	4.00	Dwelling Unit	0.80	4,000.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2021
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	457.25	<b>CH4 Intensity (lb/MWhr)</b>	0.018	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

9103 Lantern Crest - San Diego County APCD Air District, Winter

Project Characteristics - Energy intensity factors updated based on SDG&E renewable procurement  
(457.25, 0.018, 0.004)

Land Use - 46 Assisted Living Units (3-story building)  
4 Independent Living Units (2 duplexes)  
2.8 acre site

Construction Phase - Grading - 1 month  
Form/Concrete - 1 month  
Building Construction - 9 months  
Furnish and Open - 1 month (added to building construction)  
Architectural coatings simultaneous with last half of building construction

Trips and VMT - Construction traffic memo

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 2.5 trips/unit (125 ADT)  
5.8 mile trip length

Woodstoves - No woodstoves or fireplaces

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Water And Wastewater - CalGreen 20% decrease in indoor water use  
(2,397,668.14, 208,492.88)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	100
tblConstructionPhase	NumDays	6.00	23.00
tblConstructionPhase	NumDays	220.00	20.00

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tblConstructionPhase	NumDays	220.00	219.00
tblConstructionPhase	NumDays	10.00	98.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	25.30	0.00
tblFireplaces	NumberGas	2.20	0.00
tblFireplaces	NumberNoFireplace	4.60	46.00
tblFireplaces	NumberNoFireplace	0.40	4.00
tblFireplaces	NumberWood	16.10	0.00
tblFireplaces	NumberWood	1.40	0.00
tblLandUse	LotAcreage	2.88	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	720.49	457.25
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblTripsAndVMT	WorkerTripNumber	36.00	14.00
tblVehicleTrips	HO_TL	7.50	5.80

## 9103 Lantern Crest - San Diego County APCD Air District, Winter

tblVehicleTrips	HO_TL	7.50	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblVehicleTrips	WD_TR	2.74	2.50
tblVehicleTrips	WD_TR	2.40	2.50
tblWater	IndoorWaterUseRate	2,997,085.18	2,397,668.14
tblWater	IndoorWaterUseRate	260,616.10	208,492.88
tblWoodstoves	NumberCatalytic	2.30	0.00
tblWoodstoves	NumberCatalytic	0.20	0.00
tblWoodstoves	NumberNoncatalytic	2.30	0.00
tblWoodstoves	NumberNoncatalytic	0.20	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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9103 Lantern Crest - San Diego County APCD Air District, Winter

**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	lb/day										lb/day					
Area	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Energy	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
Mobile	0.1840	0.7376	1.9011	5.7600e-003	0.4969	5.1100e-003	0.5020	0.1328	4.7800e-003	0.1376		585.7457	585.7457	0.0342		586.5998
<b>Total</b>	<b>1.5835</b>	<b>0.8829</b>	<b>6.0767</b>	<b>6.6000e-003</b>	<b>0.4969</b>	<b>0.0358</b>	<b>0.5327</b>	<b>0.1328</b>	<b>0.0355</b>	<b>0.1683</b>	<b>0.0000</b>	<b>717.7902</b>	<b>717.7902</b>	<b>0.0438</b>	<b>2.2800e-003</b>	<b>719.5648</b>

**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	lb/day										lb/day					
Area	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Energy	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
Mobile	0.1840	0.7376	1.9011	5.7600e-003	0.4969	5.1100e-003	0.5020	0.1328	4.7800e-003	0.1376		585.7457	585.7457	0.0342		586.5998
<b>Total</b>	<b>1.5835</b>	<b>0.8829</b>	<b>6.0767</b>	<b>6.6000e-003</b>	<b>0.4969</b>	<b>0.0358</b>	<b>0.5327</b>	<b>0.1328</b>	<b>0.0355</b>	<b>0.1683</b>	<b>0.0000</b>	<b>717.7902</b>	<b>717.7902</b>	<b>0.0438</b>	<b>2.2800e-003</b>	<b>719.5648</b>

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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
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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2020	1/31/2020	5	23	
2	Form and Pour Concrete	Building Construction	2/3/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	3/2/2020	12/31/2020	5	219	
4	Architectural Coating	Architectural Coating	7/16/2020	11/30/2020	5	98	
5	Paving	Paving	11/17/2020	11/30/2020	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11.5

Acres of Paving: 0

Residential Indoor: 101,250; Residential Outdoor: 33,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## 9103 Lantern Crest - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Cranes	1	8.00	231	0.29
Form and Pour Concrete	Forklifts	2	7.00	89	0.20
Form and Pour Concrete	Generator Sets	1	8.00	84	0.74
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Graders	1	8.00	187	0.41
Form and Pour Concrete	Rubber Tired Dozers	1	8.00	247	0.40
Form and Pour Concrete	Scrapers	1	8.00	367	0.48
Form and Pour Concrete	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Form and Pour Concrete	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Form and Pour Concrete	Welders	3	8.00	46	0.45
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

9103 Lantern Crest - San Diego County APCD Air District, Winter

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
Grading	4	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Form and Pour Concrete	14	14.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	14.00	22.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.5523</b>	<b>0.9902</b>	<b>7.5425</b>	<b>3.3675</b>	<b>0.9110</b>	<b>4.2784</b>		<b>1,996.4061</b>	<b>1,996.4061</b>	<b>0.6457</b>		<b>2,012.5480</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.2 Grading - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0389	0.3742	1.1100e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		110.7585	110.7585	3.3300e-003		110.8418
<b>Total</b>	<b>0.0582</b>	<b>0.0389</b>	<b>0.3742</b>	<b>1.1100e-003</b>	<b>0.1150</b>	<b>8.1000e-004</b>	<b>0.1158</b>	<b>0.0305</b>	<b>7.4000e-004</b>	<b>0.0313</b>		<b>110.7585</b>	<b>110.7585</b>	<b>3.3300e-003</b>		<b>110.8418</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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.5523</b>	<b>0.9902</b>	<b>7.5425</b>	<b>3.3675</b>	<b>0.9110</b>	<b>4.2784</b>	<b>0.0000</b>	<b>1,996.4061</b>	<b>1,996.4061</b>	<b>0.6457</b>		<b>2,012.5480</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.2 Grading - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0389	0.3742	1.1100e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		110.7585	110.7585	3.3300e-003		110.8418
<b>Total</b>	<b>0.0582</b>	<b>0.0389</b>	<b>0.3742</b>	<b>1.1100e-003</b>	<b>0.1150</b>	<b>8.1000e-004</b>	<b>0.1158</b>	<b>0.0305</b>	<b>7.4000e-004</b>	<b>0.0313</b>		<b>110.7585</b>	<b>110.7585</b>	<b>3.3300e-003</b>		<b>110.8418</b>

**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Off-Road	5.7047	57.1162	34.3907	0.0678		2.6156	2.6156		2.4429	2.4429		6,432.6236	6,432.6236	1.8047		6,477.7415
<b>Total</b>	<b>5.7047</b>	<b>57.1162</b>	<b>34.3907</b>	<b>0.0678</b>		<b>2.6156</b>	<b>2.6156</b>		<b>2.4429</b>	<b>2.4429</b>		<b>6,432.6236</b>	<b>6,432.6236</b>	<b>1.8047</b>		<b>6,477.7415</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.1267	0.3188	2.6700e-003	0.1160	5.6200e-003	0.1216	0.0313	5.3800e-003	0.0367		286.4622	286.4622	0.0231		287.0385
Worker	0.1164	0.0777	0.7483	2.2200e-003	0.4299	1.6100e-003	0.4315	0.1101	1.4900e-003	0.1116		221.5170	221.5170	6.6700e-003		221.6837
<b>Total</b>	<b>0.1555</b>	<b>1.2044</b>	<b>1.0671</b>	<b>4.8900e-003</b>	<b>0.5459</b>	<b>7.2300e-003</b>	<b>0.5531</b>	<b>0.1414</b>	<b>6.8700e-003</b>	<b>0.1483</b>		<b>507.9792</b>	<b>507.9792</b>	<b>0.0297</b>		<b>508.7222</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	lb/day										lb/day					
Off-Road	5.7047	57.1162	34.3907	0.0678		2.6156	2.6156		2.4429	2.4429	0.0000	6,432.6236	6,432.6236	1.8047		6,477.7415
<b>Total</b>	<b>5.7047</b>	<b>57.1162</b>	<b>34.3907</b>	<b>0.0678</b>		<b>2.6156</b>	<b>2.6156</b>		<b>2.4429</b>	<b>2.4429</b>	<b>0.0000</b>	<b>6,432.6236</b>	<b>6,432.6236</b>	<b>1.8047</b>		<b>6,477.7415</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.3 Form and Pour Concrete - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.1267	0.3188	2.6700e-003	0.1160	5.6200e-003	0.1216	0.0313	5.3800e-003	0.0367		286.4622	286.4622	0.0231		287.0385
Worker	0.1164	0.0777	0.7483	2.2200e-003	0.4299	1.6100e-003	0.4315	0.1101	1.4900e-003	0.1116		221.5170	221.5170	6.6700e-003		221.6837
<b>Total</b>	<b>0.1555</b>	<b>1.2044</b>	<b>1.0671</b>	<b>4.8900e-003</b>	<b>0.5459</b>	<b>7.2300e-003</b>	<b>0.5531</b>	<b>0.1414</b>	<b>6.8700e-003</b>	<b>0.1483</b>		<b>507.9792</b>	<b>507.9792</b>	<b>0.0297</b>		<b>508.7222</b>

**3.4 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	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>		<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>



9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.4 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0861	2.4787	0.7014	5.8700e-003	0.1489	0.0124	0.1613	0.0429	0.0118	0.0547		630.2169	630.2169	0.0507		631.4847
Worker	0.0582	0.0389	0.3742	1.1100e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		110.7585	110.7585	3.3300e-003		110.8418
<b>Total</b>	<b>0.1443</b>	<b>2.5175</b>	<b>1.0755</b>	<b>6.9800e-003</b>	<b>0.2639</b>	<b>0.0132</b>	<b>0.2771</b>	<b>0.0734</b>	<b>0.0126</b>	<b>0.0860</b>		<b>740.9753</b>	<b>740.9753</b>	<b>0.0540</b>		<b>742.3265</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	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>	<b>0.0000</b>	<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.4 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0861	2.4787	0.7014	5.8700e-003	0.1489	0.0124	0.1613	0.0429	0.0118	0.0547		630.2169	630.2169	0.0507		631.4847
Worker	0.0582	0.0389	0.3742	1.1100e-003	0.1150	8.1000e-004	0.1158	0.0305	7.4000e-004	0.0313		110.7585	110.7585	3.3300e-003		110.8418
<b>Total</b>	<b>0.1443</b>	<b>2.5175</b>	<b>1.0755</b>	<b>6.9800e-003</b>	<b>0.2639</b>	<b>0.0132</b>	<b>0.2771</b>	<b>0.0734</b>	<b>0.0126</b>	<b>0.0860</b>		<b>740.9753</b>	<b>740.9753</b>	<b>0.0540</b>		<b>742.3265</b>

**3.5 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	lb/day										lb/day					
Archit. Coating	7.1831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>7.4253</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0291	0.0194	0.1871	5.6000e-004	0.0575	4.0000e-004	0.0579	0.0153	3.7000e-004	0.0156		55.3792	55.3792	1.6700e-003		55.4209
<b>Total</b>	<b>0.0291</b>	<b>0.0194</b>	<b>0.1871</b>	<b>5.6000e-004</b>	<b>0.0575</b>	<b>4.0000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.7000e-004</b>	<b>0.0156</b>		<b>55.3792</b>	<b>55.3792</b>	<b>1.6700e-003</b>		<b>55.4209</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	lb/day										lb/day					
Archit. Coating	7.1831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>7.4253</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

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**3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0291	0.0194	0.1871	5.6000e-004	0.0575	4.0000e-004	0.0579	0.0153	3.7000e-004	0.0156		55.3792	55.3792	1.6700e-003		55.4209
<b>Total</b>	<b>0.0291</b>	<b>0.0194</b>	<b>0.1871</b>	<b>5.6000e-004</b>	<b>0.0575</b>	<b>4.0000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.7000e-004</b>	<b>0.0156</b>		<b>55.3792</b>	<b>55.3792</b>	<b>1.6700e-003</b>		<b>55.4209</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	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>		<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591
<b>Total</b>	<b>0.0623</b>	<b>0.0416</b>	<b>0.4009</b>	<b>1.1900e-003</b>	<b>0.1232</b>	<b>8.6000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.0000e-004</b>	<b>0.0335</b>		<b>118.6698</b>	<b>118.6698</b>	<b>3.5700e-003</b>		<b>118.7591</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	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>	<b>0.0000</b>	<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

9103 Lantern Crest - San Diego County APCD Air District, Winter

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591
<b>Total</b>	<b>0.0623</b>	<b>0.0416</b>	<b>0.4009</b>	<b>1.1900e-003</b>	<b>0.1232</b>	<b>8.6000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.0000e-004</b>	<b>0.0335</b>		<b>118.6698</b>	<b>118.6698</b>	<b>3.5700e-003</b>		<b>118.7591</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

9103 Lantern Crest - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1840	0.7376	1.9011	5.7600e-003	0.4969	5.1100e-003	0.5020	0.1328	4.7800e-003	0.1376		585.7457	585.7457	0.0342		586.5998
Unmitigated	0.1840	0.7376	1.9011	5.7600e-003	0.4969	5.1100e-003	0.5020	0.1328	4.7800e-003	0.1376		585.7457	585.7457	0.0342		586.5998

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	115.00	101.20	112.24	211,165	211,165
Retirement Community	10.00	8.12	7.80	17,655	17,655
Total	125.00	109.32	120.04	228,820	228,820

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 Living)	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3
Retirement Community	5.80	5.80	5.80	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Retirement Community	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

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**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	lb/day										lb/day					
NaturalGas Mitigated	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575
NaturalGas Unmitigated	0.0114	0.0976	0.0415	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6169	124.6169	2.3900e-003	2.2800e-003	125.3575



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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	lb/day										lb/day					
Congregate Care (Assisted Living)	936.225	0.0101	0.0863	0.0367	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003		110.1441	110.1441	2.1100e-003	2.0200e-003	110.7986
Retirement Community	123.019	1.3300e-003	0.0113	4.8200e-003	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.4728	14.4728	2.8000e-004	2.7000e-004	14.5588
<b>Total</b>		<b>0.0114</b>	<b>0.0976</b>	<b>0.0415</b>	<b>6.2000e-004</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>124.6169</b>	<b>124.6169</b>	<b>2.3900e-003</b>	<b>2.2900e-003</b>	<b>125.3575</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	lb/day										lb/day					
Congregate Care (Assisted Living)	0.936225	0.0101	0.0863	0.0367	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003		110.1441	110.1441	2.1100e-003	2.0200e-003	110.7986
Retirement Community	0.123019	1.3300e-003	0.0113	4.8200e-003	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.4728	14.4728	2.8000e-004	2.7000e-004	14.5588
<b>Total</b>		<b>0.0114</b>	<b>0.0976</b>	<b>0.0415</b>	<b>6.2000e-004</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>7.9000e-003</b>	<b>7.9000e-003</b>		<b>124.6169</b>	<b>124.6169</b>	<b>2.3900e-003</b>	<b>2.2900e-003</b>	<b>125.3575</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	lb/day										lb/day					
Mitigated	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076
Unmitigated	1.3881	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	7.4276	7.4276	7.2000e-003	0.0000	7.6076

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	lb/day										lb/day					
Architectural Coating	0.1929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1253	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228		7.4276	7.4276	7.2000e-003		7.6076
<b>Total</b>	<b>1.3881</b>	<b>0.0477</b>	<b>4.1340</b>	<b>2.2000e-004</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0228</b>	<b>0.0228</b>	<b>0.0000</b>	<b>7.4276</b>	<b>7.4276</b>	<b>7.2000e-003</b>	<b>0.0000</b>	<b>7.6076</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	lb/day										lb/day					
Architectural Coating	0.1929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1253	0.0477	4.1340	2.2000e-004		0.0228	0.0228		0.0228	0.0228		7.4276	7.4276	7.2000e-003		7.6076
<b>Total</b>	<b>1.3881</b>	<b>0.0477</b>	<b>4.1340</b>	<b>2.2000e-004</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0228</b>	<b>0.0228</b>	<b>0.0000</b>	<b>7.4276</b>	<b>7.4276</b>	<b>7.2000e-003</b>	<b>0.0000</b>	<b>7.6076</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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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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