

9505 - 2608 S Escondido Boulevard - San Diego County APCD Air District, Annual

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	42.00	Dwelling Unit	1.75	42,000.00	120

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	455.72	CH4 Intensity (lb/MW hr)	0.018	N2O Intensity (lb/MW hr)	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
(455.72, 0.018, 0.004)

Land Use - 42 units
1.75 acres

Construction Phase - 2 years construction
Architectural coatings simultaneous with last portion of building construction

Demolition - 3,300 square feet demo

Grading -

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - Vehicle trips - 8 trips/du
5.62 miles trip length based on EMFAC2014 data for 2020

Woodstoves - No woodstoves or fireplaces

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Water And Wastewater - CalGreen requires 20% decrease in indoor water use that is not accounted for in CalEEMod
(2,189,175.26 gallons)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	100
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	4.00	9.00
tblConstructionPhase	NumDays	200.00	442.00
tblConstructionPhase	NumDays	10.00	263.00
tblConstructionPhase	NumDays	10.00	150.00
tblFireplaces	FireplaceDayYear	82.00	0.00

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tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	23.10	0.00
tblFireplaces	NumberNoFireplace	4.20	42.00
tblFireplaces	NumberWood	14.70	0.00
tblLandUse	LotAcreage	1.11	1.75
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	720.49	455.72
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	HO_TL	7.50	5.62
tblVehicleTrips	HS_TL	7.30	5.62
tblVehicleTrips	HW_TL	10.80	5.62
tblVehicleTrips	ST_TR	6.39	8.00
tblVehicleTrips	SU_TR	5.86	8.00
tblVehicleTrips	WD_TR	6.65	8.00
tblWater	IndoorWaterUseRate	2,736,469.08	2,189,175.26
tblWoodstoves	NumberCatalytic	2.10	0.00
tblWoodstoves	NumberNoncatalytic	2.10	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

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2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0908	0.8060	0.5952	1.0600e-003	0.0423	0.0425	0.0848	0.0194	0.0400	0.0594	0.0000	91.1236	91.1236	0.0203	0.0000	91.6304
2021	0.3923	1.9300	1.9066	3.5100e-003	0.0376	0.0950	0.1326	0.0101	0.0919	0.1020	0.0000	294.7929	294.7929	0.0452	0.0000	295.9218
2022	0.5081	1.6670	1.9514	3.4300e-003	0.0341	0.0811	0.1152	9.1100e-003	0.0776	0.0867	0.0000	292.4436	292.4436	0.0552	0.0000	293.8226
2023	0.0529	0.0283	0.0417	7.0000e-005	1.0300e-003	1.5300e-003	2.5600e-003	2.7000e-004	1.5300e-003	1.8000e-003	0.0000	6.3268	6.3268	3.5000e-004	0.0000	6.3355
Maximum	0.5081	1.9300	1.9514	3.5100e-003	0.0423	0.0950	0.1326	0.0194	0.0919	0.1020	0.0000	294.7929	294.7929	0.0552	0.0000	295.9218

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0908	0.8060	0.5952	1.0600e-003	0.0423	0.0425	0.0848	0.0194	0.0400	0.0594	0.0000	91.1235	91.1235	0.0203	0.0000	91.6303
2021	0.3923	1.9300	1.9066	3.5100e-003	0.0376	0.0950	0.1326	0.0101	0.0919	0.1020	0.0000	294.7926	294.7926	0.0452	0.0000	295.9215
2022	0.5081	1.6670	1.9514	3.4300e-003	0.0341	0.0811	0.1152	9.1100e-003	0.0776	0.0867	0.0000	292.4432	292.4432	0.0552	0.0000	293.8223
2023	0.0529	0.0283	0.0417	7.0000e-005	1.0300e-003	1.5300e-003	2.5600e-003	2.7000e-004	1.5300e-003	1.8000e-003	0.0000	6.3268	6.3268	3.5000e-004	0.0000	6.3355
Maximum	0.5081	1.9300	1.9514	3.5100e-003	0.0423	0.0950	0.1326	0.0194	0.0919	0.1020	0.0000	294.7926	294.7926	0.0552	0.0000	295.9215

	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2020	11-30-2020	0.6785	0.6785
2	12-1-2020	2-28-2021	0.5321	0.5321
3	3-1-2021	5-31-2021	0.5272	0.5272
4	6-1-2021	8-31-2021	0.5774	0.5774
5	9-1-2021	11-30-2021	0.6528	0.6528
6	12-1-2021	2-28-2022	0.7684	0.7684
7	3-1-2022	5-31-2022	0.8590	0.8590
8	6-1-2022	8-31-2022	0.5965	0.5965

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9	9-1-2022	11-30-2022	0.1266	0.1266
10	12-1-2022	2-28-2023	0.1227	0.1227
11	3-1-2023	5-31-2023	0.0013	0.0013
		Highest	0.8590	0.8590

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	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217
Energy	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	51.4202	51.4202	1.6900e-003	6.1000e-004	51.6444
Mobile	0.0808	0.3378	0.8315	2.6800e-003	0.2300	2.3000e-003	0.2323	0.0616	2.1500e-003	0.0638	0.0000	247.5589	247.5589	0.0138	0.0000	247.9045
Waste						0.0000	0.0000		0.0000	0.0000	3.9218	0.0000	3.9218	0.2318	0.0000	9.7161
Water						0.0000	0.0000		0.0000	0.0000	0.6945	9.8543	10.5488	0.0717	1.7700e-003	12.8696
Total	0.2855	0.3557	1.1498	2.7900e-003	0.2300	5.1800e-003	0.2352	0.0616	5.0300e-003	0.0666	4.6163	309.3427	313.9590	0.3195	2.3800e-003	322.6562

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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	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217
Energy	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	51.4202	51.4202	1.6900e-003	6.1000e-004	51.6444
Mobile	0.0808	0.3378	0.8315	2.6800e-003	0.2300	2.3000e-003	0.2323	0.0616	2.1500e-003	0.0638	0.0000	247.5589	247.5589	0.0138	0.0000	247.9045
Waste						0.0000	0.0000		0.0000	0.0000	2.9413	0.0000	2.9413	0.1738	0.0000	7.2870
Water						0.0000	0.0000		0.0000	0.0000	0.6945	9.8543	10.5488	0.0717	1.7700e-003	12.8696
Total	0.2855	0.3557	1.1498	2.7900e-003	0.2300	5.1800e-003	0.2352	0.0616	5.0300e-003	0.0666	3.6359	309.3427	312.9786	0.2616	2.3800e-003	320.2272

	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	21.24	0.00	0.31	18.14	0.00	0.75

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	10/30/2020	5	44	
2	Site Preparation	Site Preparation	11/2/2020	11/5/2020	5	4	
3	Grading	Grading	11/6/2020	11/18/2020	5	9	
4	Building Construction	Building Construction	11/19/2020	7/29/2022	5	442	
5	Architectural Coating	Architectural Coating	7/28/2021	3/1/2023	5	263	
6	Paving	Paving	1/3/2022	7/29/2022	5	150	

Acres of Grading (Site Preparation Phase): 2

Acres of Grading (Grading Phase): 3.38

Acres of Paving: 0

Residential Indoor: 85,050; Residential Outdoor: 28,350; 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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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
Demolition	5	13.00	0.00	15.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	30.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					1.6400e-003	0.0000	1.6400e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0468	0.4608	0.3225	5.3000e-004		0.0254	0.0254		0.0237	0.0237	0.0000	46.3489	46.3489	0.0119	0.0000	46.6467
Total	0.0468	0.4608	0.3225	5.3000e-004	1.6400e-003	0.0254	0.0270	2.5000e-004	0.0237	0.0239	0.0000	46.3489	46.3489	0.0119	0.0000	46.6467

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3.2 Demolition - 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	6.0000e-005	2.1300e-003	4.9000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5784	0.5784	5.0000e-005	0.0000	0.5797
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	1.0500e-003	7.8000e-004	7.6500e-003	2.0000e-005	2.2900e-003	2.0000e-005	2.3100e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0731	2.0731	6.0000e-005	0.0000	2.0747
Total	1.1100e-003	2.9100e-003	8.1400e-003	3.0000e-005	2.4200e-003	3.0000e-005	2.4500e-003	6.5000e-004	3.0000e-005	6.6000e-004	0.0000	2.6516	2.6516	1.1000e-004	0.0000	2.6544

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					1.6400e-003	0.0000	1.6400e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0468	0.4608	0.3225	5.3000e-004		0.0254	0.0254		0.0237	0.0237	0.0000	46.3488	46.3488	0.0119	0.0000	46.6467
Total	0.0468	0.4608	0.3225	5.3000e-004	1.6400e-003	0.0254	0.0270	2.5000e-004	0.0237	0.0239	0.0000	46.3488	46.3488	0.0119	0.0000	46.6467

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3.2 Demolition - 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	6.0000e-005	2.1300e-003	4.9000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5784	0.5784	5.0000e-005	0.0000	0.5797
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	1.0500e-003	7.8000e-004	7.6500e-003	2.0000e-005	2.2900e-003	2.0000e-005	2.3100e-003	6.1000e-004	2.0000e-005	6.2000e-004	0.0000	2.0731	2.0731	6.0000e-005	0.0000	2.0747
Total	1.1100e-003	2.9100e-003	8.1400e-003	3.0000e-005	2.4200e-003	3.0000e-005	2.4500e-003	6.5000e-004	3.0000e-005	6.6000e-004	0.0000	2.6516	2.6516	1.1000e-004	0.0000	2.6544

3.3 Site Preparation - 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					0.0116	0.0000	0.0116	5.9100e-003	0.0000	5.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2600e-003	0.0367	0.0154	3.0000e-005		1.6400e-003	1.6400e-003		1.5100e-003	1.5100e-003	0.0000	3.0253	3.0253	9.8000e-004	0.0000	3.0498
Total	3.2600e-003	0.0367	0.0154	3.0000e-005	0.0116	1.6400e-003	0.0132	5.9100e-003	1.5100e-003	7.4200e-003	0.0000	3.0253	3.0253	9.8000e-004	0.0000	3.0498

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3.3 Site Preparation - 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	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1160	0.1160	0.0000	0.0000	0.1161
Total	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1160	0.1160	0.0000	0.0000	0.1161

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					0.0116	0.0000	0.0116	5.9100e-003	0.0000	5.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2600e-003	0.0367	0.0154	3.0000e-005		1.6400e-003	1.6400e-003		1.5100e-003	1.5100e-003	0.0000	3.0253	3.0253	9.8000e-004	0.0000	3.0498
Total	3.2600e-003	0.0367	0.0154	3.0000e-005	0.0116	1.6400e-003	0.0132	5.9100e-003	1.5100e-003	7.4200e-003	0.0000	3.0253	3.0253	9.8000e-004	0.0000	3.0498

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3.3 Site Preparation - 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	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1160	0.1160	0.0000	0.0000	0.1161
Total	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1160	0.1160	0.0000	0.0000	0.1161

3.4 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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0700e-003	0.0679	0.0290	6.0000e-005		3.0800e-003	3.0800e-003		2.8300e-003	2.8300e-003	0.0000	5.5753	5.5753	1.8000e-003	0.0000	5.6204
Total	6.0700e-003	0.0679	0.0290	6.0000e-005	0.0221	3.0800e-003	0.0252	0.0114	2.8300e-003	0.0142	0.0000	5.5753	5.5753	1.8000e-003	0.0000	5.6204

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3.4 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	1.3000e-004	1.0000e-004	9.6000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2610	0.2610	1.0000e-005	0.0000	0.2612
Total	1.3000e-004	1.0000e-004	9.6000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2610	0.2610	1.0000e-005	0.0000	0.2612

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0700e-003	0.0679	0.0290	6.0000e-005		3.0800e-003	3.0800e-003		2.8300e-003	2.8300e-003	0.0000	5.5753	5.5753	1.8000e-003	0.0000	5.6204
Total	6.0700e-003	0.0679	0.0290	6.0000e-005	0.0221	3.0800e-003	0.0252	0.0114	2.8300e-003	0.0142	0.0000	5.5753	5.5753	1.8000e-003	0.0000	5.6204

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3.4 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	1.3000e-004	1.0000e-004	9.6000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2610	0.2610	1.0000e-005	0.0000	0.2612
Total	1.3000e-004	1.0000e-004	9.6000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2610	0.2610	1.0000e-005	0.0000	0.2612

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0315	0.2292	0.2044	3.4000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	28.1390	28.1390	5.2200e-003	0.0000	28.2696
Total	0.0315	0.2292	0.2044	3.4000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	28.1390	28.1390	5.2200e-003	0.0000	28.2696

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4000e-004	7.0700e-003	1.8800e-003	2.0000e-005	4.1000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.6359	1.6359	1.3000e-004	0.0000	1.6391
Worker	1.7100e-003	1.2700e-003	0.0124	4.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	3.3707	3.3707	1.0000e-004	0.0000	3.3732
Total	1.9500e-003	8.3400e-003	0.0143	6.0000e-005	4.1400e-003	6.0000e-005	4.2100e-003	1.1100e-003	5.0000e-005	1.1700e-003	0.0000	5.0066	5.0066	2.3000e-004	0.0000	5.0123

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	0.0315	0.2292	0.2044	3.4000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	28.1390	28.1390	5.2200e-003	0.0000	28.2696
Total	0.0315	0.2292	0.2044	3.4000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	28.1390	28.1390	5.2200e-003	0.0000	28.2696

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4000e-004	7.0700e-003	1.8800e-003	2.0000e-005	4.1000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.6359	1.6359	1.3000e-004	0.0000	1.6391
Worker	1.7100e-003	1.2700e-003	0.0124	4.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	3.3707	3.3707	1.0000e-004	0.0000	3.3732
Total	1.9500e-003	8.3400e-003	0.0143	6.0000e-005	4.1400e-003	6.0000e-005	4.2100e-003	1.1100e-003	5.0000e-005	1.1700e-003	0.0000	5.0066	5.0066	2.3000e-004	0.0000	5.0123

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2365	1.7795	1.6834	2.8800e-003		0.0893	0.0893		0.0862	0.0862	0.0000	236.9197	236.9197	0.0423	0.0000	237.9771
Total	0.2365	1.7795	1.6834	2.8800e-003		0.0893	0.0893		0.0862	0.0862	0.0000	236.9197	236.9197	0.0423	0.0000	237.9771

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0536	0.0143	1.4000e-004	3.4600e-003	1.1000e-004	3.5800e-003	1.0000e-003	1.1000e-004	1.1100e-003	0.0000	13.6472	13.6472	1.0100e-003	0.0000	13.6725
Worker	0.0136	9.7100e-003	0.0978	3.0000e-004	0.0314	2.2000e-004	0.0316	8.3400e-003	2.0000e-004	8.5500e-003	0.0000	27.4255	27.4255	7.9000e-004	0.0000	27.4451
Total	0.0152	0.0634	0.1121	4.4000e-004	0.0349	3.3000e-004	0.0352	9.3400e-003	3.1000e-004	9.6600e-003	0.0000	41.0726	41.0726	1.8000e-003	0.0000	41.1176

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	0.2365	1.7795	1.6834	2.8800e-003		0.0893	0.0893		0.0862	0.0862	0.0000	236.9194	236.9194	0.0423	0.0000	237.9768
Total	0.2365	1.7795	1.6834	2.8800e-003		0.0893	0.0893		0.0862	0.0862	0.0000	236.9194	236.9194	0.0423	0.0000	237.9768

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0536	0.0143	1.4000e-004	3.4600e-003	1.1000e-004	3.5800e-003	1.0000e-003	1.1000e-004	1.1100e-003	0.0000	13.6472	13.6472	1.0100e-003	0.0000	13.6725
Worker	0.0136	9.7100e-003	0.0978	3.0000e-004	0.0314	2.2000e-004	0.0316	8.3400e-003	2.0000e-004	8.5500e-003	0.0000	27.4255	27.4255	7.9000e-004	0.0000	27.4451
Total	0.0152	0.0634	0.1121	4.4000e-004	0.0349	3.3000e-004	0.0352	9.3400e-003	3.1000e-004	9.6600e-003	0.0000	41.0726	41.0726	1.8000e-003	0.0000	41.1176

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1237	0.9377	0.9545	1.6500e-003		0.0442	0.0442		0.0427	0.0427	0.0000	136.1827	136.1827	0.0237	0.0000	136.7757
Total	0.1237	0.9377	0.9545	1.6500e-003		0.0442	0.0442		0.0427	0.0427	0.0000	136.1827	136.1827	0.0237	0.0000	136.7757

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6000e-004	0.0291	7.7800e-003	8.0000e-005	1.9900e-003	6.0000e-005	2.0500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	7.7689	7.7689	5.6000e-004	0.0000	7.7830
Worker	7.4000e-003	5.0900e-003	0.0522	1.7000e-004	0.0180	1.2000e-004	0.0182	4.7900e-003	1.2000e-004	4.9100e-003	0.0000	15.1840	15.1840	4.1000e-004	0.0000	15.1943
Total	8.2600e-003	0.0342	0.0600	2.5000e-004	0.0200	1.8000e-004	0.0202	5.3600e-003	1.7000e-004	5.5400e-003	0.0000	22.9529	22.9529	9.7000e-004	0.0000	22.9773

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	0.1237	0.9377	0.9545	1.6500e-003		0.0442	0.0442		0.0427	0.0427	0.0000	136.1825	136.1825	0.0237	0.0000	136.7755
Total	0.1237	0.9377	0.9545	1.6500e-003		0.0442	0.0442		0.0427	0.0427	0.0000	136.1825	136.1825	0.0237	0.0000	136.7755

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6000e-004	0.0291	7.7800e-003	8.0000e-005	1.9900e-003	6.0000e-005	2.0500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	7.7689	7.7689	5.6000e-004	0.0000	7.7830
Worker	7.4000e-003	5.0900e-003	0.0522	1.7000e-004	0.0180	1.2000e-004	0.0182	4.7900e-003	1.2000e-004	4.9100e-003	0.0000	15.1840	15.1840	4.1000e-004	0.0000	15.1943
Total	8.2600e-003	0.0342	0.0600	2.5000e-004	0.0200	1.8000e-004	0.0202	5.3600e-003	1.7000e-004	5.5400e-003	0.0000	22.9529	22.9529	9.7000e-004	0.0000	22.9773

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0863	0.1027	1.7000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	14.4259	14.4259	9.9000e-004	0.0000	14.4506
Total	0.1394	0.0863	0.1027	1.7000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	14.4259	14.4259	9.9000e-004	0.0000	14.4506

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1800e-003	8.4000e-004	8.4700e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3748	2.3748	7.0000e-005	0.0000	2.3765
Total	1.1800e-003	8.4000e-004	8.4700e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3748	2.3748	7.0000e-005	0.0000	2.3765

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	0.1270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0863	0.1027	1.7000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	14.4259	14.4259	9.9000e-004	0.0000	14.4506
Total	0.1394	0.0863	0.1027	1.7000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	14.4259	14.4259	9.9000e-004	0.0000	14.4506

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1800e-003	8.4000e-004	8.4700e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3748	2.3748	7.0000e-005	0.0000	2.3765
Total	1.1800e-003	8.4000e-004	8.4700e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3748	2.3748	7.0000e-005	0.0000	2.3765

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	0.3189	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5700e-003	1.7600e-003	0.0181	6.0000e-005	6.2500e-003	4.0000e-005	6.3000e-003	1.6600e-003	4.0000e-005	1.7000e-003	0.0000	5.2638	5.2638	1.4000e-004	0.0000	5.2674
Total	2.5700e-003	1.7600e-003	0.0181	6.0000e-005	6.2500e-003	4.0000e-005	6.3000e-003	1.6600e-003	4.0000e-005	1.7000e-003	0.0000	5.2638	5.2638	1.4000e-004	0.0000	5.2674

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	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	0.3189	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5700e-003	1.7600e-003	0.0181	6.0000e-005	6.2500e-003	4.0000e-005	6.3000e-003	1.6600e-003	4.0000e-005	1.7000e-003	0.0000	5.2638	5.2638	1.4000e-004	0.0000	5.2674
Total	2.5700e-003	1.7600e-003	0.0181	6.0000e-005	6.2500e-003	4.0000e-005	6.3000e-003	1.6600e-003	4.0000e-005	1.7000e-003	0.0000	5.2638	5.2638	1.4000e-004	0.0000	5.2674

3.6 Architectural Coating - 2023

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	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1200e-003	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977
Total	0.0525	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.7000e-004	2.7700e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8373	0.8373	2.0000e-005	0.0000	0.8378
Total	4.0000e-004	2.7000e-004	2.7700e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8373	0.8373	2.0000e-005	0.0000	0.8378

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	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1200e-003	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977
Total	0.0525	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.7000e-004	2.7700e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8373	0.8373	2.0000e-005	0.0000	0.8378
Total	4.0000e-004	2.7000e-004	2.7700e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8373	0.8373	2.0000e-005	0.0000	0.8378

3.7 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0516	0.5080	0.6605	1.0200e-003		0.0261	0.0261		0.0240	0.0240	0.0000	88.2722	88.2722	0.0280	0.0000	88.9718
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0516	0.5080	0.6605	1.0200e-003		0.0261	0.0261		0.0240	0.0240	0.0000	88.2722	88.2722	0.0280	0.0000	88.9718

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3.7 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2100e-003	2.2000e-003	0.0226	7.0000e-005	7.8200e-003	5.0000e-005	7.8700e-003	2.0800e-003	5.0000e-005	2.1300e-003	0.0000	6.5797	6.5797	1.8000e-004	0.0000	6.5842
Total	3.2100e-003	2.2000e-003	0.0226	7.0000e-005	7.8200e-003	5.0000e-005	7.8700e-003	2.0800e-003	5.0000e-005	2.1300e-003	0.0000	6.5797	6.5797	1.8000e-004	0.0000	6.5842

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	0.0516	0.5080	0.6605	1.0200e-003		0.0261	0.0261		0.0240	0.0240	0.0000	88.2721	88.2721	0.0280	0.0000	88.9716
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0516	0.5080	0.6605	1.0200e-003		0.0261	0.0261		0.0240	0.0240	0.0000	88.2721	88.2721	0.0280	0.0000	88.9716

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3.7 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2100e-003	2.2000e-003	0.0226	7.0000e-005	7.8200e-003	5.0000e-005	7.8700e-003	2.0800e-003	5.0000e-005	2.1300e-003	0.0000	6.5797	6.5797	1.8000e-004	0.0000	6.5842
Total	3.2100e-003	2.2000e-003	0.0226	7.0000e-005	7.8200e-003	5.0000e-005	7.8700e-003	2.0800e-003	5.0000e-005	2.1300e-003	0.0000	6.5797	6.5797	1.8000e-004	0.0000	6.5842

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0808	0.3378	0.8315	2.6800e-003	0.2300	2.3000e-003	0.2323	0.0616	2.1500e-003	0.0638	0.0000	247.5589	247.5589	0.0138	0.0000	247.9045
Unmitigated	0.0808	0.3378	0.8315	2.6800e-003	0.2300	2.3000e-003	0.2323	0.0616	2.1500e-003	0.0638	0.0000	247.5589	247.5589	0.0138	0.0000	247.9045

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	336.00	336.00	336.00	610,389	610,389
Total	336.00	336.00	336.00	610,389	610,389

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
Apartments Mid Rise	5.62	5.62	5.62	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
Apartments Mid Rise	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122

5.0 Energy Detail

Historical Energy Use: N

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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	34.7703	34.7703	1.3700e-003	3.1000e-004	34.8956
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34.7703	34.7703	1.3700e-003	3.1000e-004	34.8956
NaturalGas Mitigated	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488
NaturalGas Unmitigated	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488

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					
Apartments Mid Rise	312007	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488
Total		1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	312007	1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488
Total		1.6800e-003	0.0144	6.1200e-003	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6499	16.6499	3.2000e-004	3.1000e-004	16.7488

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	168207	34.7703	1.3700e-003	3.1000e-004	34.8956
Total		34.7703	1.3700e-003	3.1000e-004	34.8956

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	168207	34.7703	1.3700e-003	3.1000e-004	34.8956
Total		34.7703	1.3700e-003	3.1000e-004	34.8956

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217
Unmitigated	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1640					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	9.4300e-003	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217
Total	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217

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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	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1640					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	9.4300e-003	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217
Total	0.2030	3.6000e-003	0.3122	2.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5217

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.5488	0.0717	1.7700e-003	12.8696
Unmitigated	10.5488	0.0717	1.7700e-003	12.8696

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.18918 / 1.72517	10.5488	0.0717	1.7700e-003	12.8696
Total		10.5488	0.0717	1.7700e-003	12.8696

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.18918 / 1.72517	10.5488	0.0717	1.7700e-003	12.8696
Total		10.5488	0.0717	1.7700e-003	12.8696

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.9413	0.1738	0.0000	7.2870
Unmitigated	3.9218	0.2318	0.0000	9.7161

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	19.32	3.9218	0.2318	0.0000	9.7161
Total		3.9218	0.2318	0.0000	9.7161

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.49	2.9413	0.1738	0.0000	7.2870
Total		2.9413	0.1738	0.0000	7.2870

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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