

1809 Verdugo Blvd - South Coast AQMD 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
Enclosed Parking with Elevator	32.00	Space	0.00	0.00	0
Enclosed Parking with Elevator	113.00	Space	0.00	0.00	0
Unenclosed Parking with Elevator	35.00	Space	0.95	36,780.00	0
Congregate Care (Assisted Living)	79.00	Dwelling Unit	0.55	35,000.00	226

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2022
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - 1) 3-story 35,000 square-foot residential congregate living/medical facility with 79-beds, a 32 space semi-subterranean parking garage.
 2) 36,780 square-foot parking garage (one level subterranean and two levels above grade) with 110 spaces on a 64,495 square-foot site consisting of three lots

Land Use - The project site consists of 3 lots: 24,030 sq. ft., 5,780 sq. ft. and 35,600 sq. ft. (65,410 sq. ft. combined). The 35,000 sq. ft. residential congregate living, medical facility will consist of 79 beds with a one-level subterranean garage with 32 parking spaces. A new three-level (one level subterranean and two levels above grade) parking structure with 110 parking spaces is proposed at other portions of the site.

Grading -

Construction Phase - Grading (all export): Approximately 8,000 cubic yards during Phase II and approximately 6,110 cubic yards during Phase III (14,110 cubic yards total). Approximately 500 truck trips during Phase II, and approximately 382 truck trips during Phase III (16 cubic yards per truck for a total of 882 truck trips). Grading would not occur over the entire 103 week period, but would be concentrated over approximately three weeks within the first eight weeks of both Phases II and III.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblGrading	MaterialExported	0.00	8,000.00
tblGrading	MaterialExported	0.00	6,110.00
tblLandUse	LandUseSquareFeet	45,200.00	0.00
tblLandUse	LandUseSquareFeet	12,800.00	0.00
tblLandUse	LandUseSquareFeet	14,000.00	36,780.00
tblLandUse	LandUseSquareFeet	79,000.00	35,000.00
tblLandUse	LotAcreage	1.02	0.00
tblLandUse	LotAcreage	0.29	0.00
tblLandUse	LotAcreage	0.32	0.95
tblLandUse	LotAcreage	4.94	0.55
tblTripsAndVMT	HaulingTripNumber	148.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,000.00	0.00
tblTripsAndVMT	HaulingTripNumber	267.00	0.00
tblTripsAndVMT	HaulingTripNumber	764.00	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	0.3802	1.9092	1.7989	3.6600e-003	0.1405	0.0939	0.2344	0.0473	0.0901	0.1374	0.0000	314.8797	314.8797	0.0454	0.0000	316.0154
2021	0.3193	1.7598	1.7388	3.6300e-003	0.1444	0.0809	0.2253	0.0478	0.0777	0.1255	0.0000	311.6605	311.6605	0.0438	0.0000	312.7550
2022	0.0348	2.1700e-003	3.4000e-003	1.0000e-005	2.3000e-004	1.2000e-004	3.5000e-004	6.0000e-005	1.2000e-004	1.9000e-004	0.0000	0.5765	0.5765	3.0000e-005	0.0000	0.5772
Maximum	0.3802	1.9092	1.7989	3.6600e-003	0.1444	0.0939	0.2344	0.0478	0.0901	0.1374	0.0000	314.8797	314.8797	0.0454	0.0000	316.0154

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	0.3802	1.9092	1.7989	3.6600e-003	0.1061	0.0939	0.2000	0.0314	0.0901	0.1216	0.0000	314.8795	314.8795	0.0454	0.0000	316.0151
2021	0.3193	1.7598	1.7388	3.6300e-003	0.1072	0.0809	0.1881	0.0316	0.0777	0.1092	0.0000	311.6602	311.6602	0.0438	0.0000	312.7547
2022	0.0348	2.1700e-003	3.4000e-003	1.0000e-005	2.3000e-004	1.2000e-004	3.5000e-004	6.0000e-005	1.2000e-004	1.9000e-004	0.0000	0.5765	0.5765	3.0000e-005	0.0000	0.5772
Maximum	0.3802	1.9092	1.7989	3.6600e-003	0.1072	0.0939	0.2000	0.0316	0.0901	0.1216	0.0000	314.8795	314.8795	0.0454	0.0000	316.0151

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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	25.10	0.00	15.56	33.72	0.00	12.20	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	1-27-2020	4-26-2020	0.6110	0.6110
2	4-27-2020	7-26-2020	0.6136	0.6136
3	7-27-2020	10-26-2020	0.6208	0.6208
4	10-27-2020	1-26-2021	0.4287	0.4287
5	1-27-2021	4-26-2021	0.5581	0.5581
6	4-27-2021	7-26-2021	0.5630	0.5630
7	7-27-2021	10-26-2021	0.5696	0.5696
8	10-27-2021	1-26-2022	0.4334	0.4334
		Highest	0.6208	0.6208

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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	0.4239	0.0299	1.3201	1.3200e-003		0.0800	0.0800		0.0800	0.0800	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795
Energy	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	244.3886	244.3886	6.0400e-003	1.9100e-003	245.1100
Mobile	0.0610	0.3484	0.8320	3.2000e-003	0.2688	2.5300e-003	0.2713	0.0720	2.3600e-003	0.0744	0.0000	295.8806	295.8806	0.0141	0.0000	296.2320
Waste						0.0000	0.0000		0.0000	0.0000	14.6336	0.0000	14.6336	0.8648	0.0000	36.2542
Water						0.0000	0.0000		0.0000	0.0000	1.6330	52.1450	53.7780	0.1691	4.2400e-003	59.2686
Total	0.4896	0.4182	2.1691	4.7800e-003	0.2688	0.0857	0.3545	0.0720	0.0855	0.1576	24.6579	609.8746	634.5325	1.0803	6.7200e-003	663.5442

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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	0.4239	0.0299	1.3201	1.3200e-003		0.0800	0.0800		0.0800	0.0800	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795
Energy	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	244.3886	244.3886	6.0400e-003	1.9100e-003	245.1100
Mobile	0.0610	0.3484	0.8320	3.2000e-003	0.2688	2.5300e-003	0.2713	0.0720	2.3600e-003	0.0744	0.0000	295.8806	295.8806	0.0141	0.0000	296.2320
Waste						0.0000	0.0000		0.0000	0.0000	14.6336	0.0000	14.6336	0.8648	0.0000	36.2542
Water						0.0000	0.0000		0.0000	0.0000	1.6330	52.1450	53.7780	0.1691	4.2400e-003	59.2686
Total	0.4896	0.4182	2.1691	4.7800e-003	0.2688	0.0857	0.3545	0.0720	0.0855	0.1576	24.6579	609.8746	634.5325	1.0803	6.7200e-003	663.5442

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase II Demolition	Demolition	1/27/2020	2/4/2020	5	20	Phase II: 3-level parking structure
2	Phase II Site Preparation	Site Preparation	2/5/2020	2/6/2020	5	2	Phase II: 3-level parking structure
3	Phase II Grading	Grading	2/7/2020	2/27/2020	5	4	Phase II: 3-level parking structure
4	Phase II Building Construction	Building Construction	2/28/2020	12/3/2020	5	200	Phase II: 3-level parking structure
5	Phase II Paving	Paving	12/4/2020	12/17/2020	5	10	Phase II: 3-level parking structure
6	Phase II Architectural Coating	Architectural Coating	12/18/2020	12/31/2020	5	10	Phase II: 3-level parking structure
7	Phase III Demolition	Demolition	1/29/2021	2/8/2021	5	20	Phase III: Congregatecare Facility
8	Phase III Site Preparation	Site Preparation	2/7/2021	2/9/2021	5	2	Phase III: Congregatecare Facility
9	Phase III Grading	Grading	2/11/2021	3/3/2021	5	4	Phase III: Congregatecare Facility
10	Phase III Building Construction	Building Construction	3/4/2021	12/8/2021	5	200	Phase III: Congregatecare Facility
11	Phase III Paving	Paving	12/9/2021	12/22/2021	5	10	Phase III: Congregatecare Facility
12	Phase III Architectural Coating	Architectural Coating	12/23/2021	1/5/2022	5	10	Phase III: Congregatecare Facility

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.95

Residential Indoor: 70,875; Residential Outdoor: 23,625; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,207 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase II Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase II Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Phase II Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase II Site Preparation	Graders	1	8.00	187	0.41

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

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Phase III Building Construction	Generator Sets	1	8.00	84	0.74
Phase III Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Phase III Building Construction	Welders	3	8.00	46	0.45
Phase III Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Phase III Paving	Pavers	1	6.00	130	0.42
Phase III Paving	Paving Equipment	1	8.00	132	0.36
Phase III Paving	Rollers	1	7.00	80	0.38
Phase III Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase III Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase II Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Building Construction	7	72.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Building Construction	7	72.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase III Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

3.2 Phase II 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					5.6200e-003	0.0000	5.6200e-003	8.5000e-004	0.0000	8.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4400e-003	0.0733	0.0513	8.0000e-005		4.0300e-003	4.0300e-003		3.7700e-003	3.7700e-003	0.0000	7.3737	7.3737	1.9000e-003	0.0000	7.4211
Total	7.4400e-003	0.0733	0.0513	8.0000e-005	5.6200e-003	4.0300e-003	9.6500e-003	8.5000e-004	3.7700e-003	4.6200e-003	0.0000	7.3737	7.3737	1.9000e-003	0.0000	7.4211

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3.2 Phase II 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	0.0000	0.0000	0.0000	0.0000	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	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4494	0.4494	1.0000e-005	0.0000	0.4497
Total	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4494	0.4494	1.0000e-005	0.0000	0.4497

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					1.7500e-003	0.0000	1.7500e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4400e-003	0.0733	0.0513	8.0000e-005		4.0300e-003	4.0300e-003		3.7700e-003	3.7700e-003	0.0000	7.3737	7.3737	1.9000e-003	0.0000	7.4211
Total	7.4400e-003	0.0733	0.0513	8.0000e-005	1.7500e-003	4.0300e-003	5.7800e-003	2.7000e-004	3.7700e-003	4.0400e-003	0.0000	7.3737	7.3737	1.9000e-003	0.0000	7.4211

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3.2 Phase II 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	0.0000	0.0000	0.0000	0.0000	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	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4494	0.4494	1.0000e-005	0.0000	0.4497
Total	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4494	0.4494	1.0000e-005	0.0000	0.4497

3.3 Phase II 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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
Total	1.6300e-003	0.0184	7.7100e-003	2.0000e-005	5.8000e-003	8.2000e-004	6.6200e-003	2.9500e-003	7.6000e-004	3.7100e-003	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249

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3.3 Phase II 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	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791
Total	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791

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					1.8100e-003	0.0000	1.8100e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
Total	1.6300e-003	0.0184	7.7100e-003	2.0000e-005	1.8100e-003	8.2000e-004	2.6300e-003	9.2000e-004	7.6000e-004	1.6800e-003	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249

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3.3 Phase II 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	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791
Total	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791

3.4 Phase II 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					0.0386	0.0000	0.0386	0.0192	0.0000	0.0192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1131	0.0484	1.1000e-004		5.1300e-003	5.1300e-003		4.7200e-003	4.7200e-003	0.0000	9.2922	9.2922	3.0100e-003	0.0000	9.3673
Total	0.0101	0.1131	0.0484	1.1000e-004	0.0386	5.1300e-003	0.0437	0.0192	4.7200e-003	0.0239	0.0000	9.2922	9.2922	3.0100e-003	0.0000	9.3673

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3.4 Phase II 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	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930
Total	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930

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					0.0120	0.0000	0.0120	5.9900e-003	0.0000	5.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1131	0.0484	1.1000e-004		5.1300e-003	5.1300e-003		4.7200e-003	4.7200e-003	0.0000	9.2922	9.2922	3.0100e-003	0.0000	9.3673
Total	0.0101	0.1131	0.0484	1.1000e-004	0.0120	5.1300e-003	0.0172	5.9900e-003	4.7200e-003	0.0107	0.0000	9.2922	9.2922	3.0100e-003	0.0000	9.3673

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3.4 Phase II 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	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930
Total	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930

3.5 Phase II 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	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5421	181.5421	0.0337	0.0000	182.3847
Total	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5421	181.5421	0.0337	0.0000	182.3847

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3.5 Phase II 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	4.6900e-003	0.1494	0.0370	3.6000e-004	8.8200e-003	7.3000e-004	9.5600e-003	2.5500e-003	7.0000e-004	3.2500e-003	0.0000	34.4333	34.4333	2.2600e-003	0.0000	34.4898
Worker	0.0321	0.0246	0.2727	7.9000e-004	0.0790	6.1000e-004	0.0796	0.0210	5.6000e-004	0.0215	0.0000	71.1120	71.1120	2.0400e-003	0.0000	71.1630
Total	0.0368	0.1740	0.3097	1.1500e-003	0.0878	1.3400e-003	0.0892	0.0235	1.2600e-003	0.0248	0.0000	105.5452	105.5452	4.3000e-003	0.0000	105.6527

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	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5419	181.5419	0.0337	0.0000	182.3844
Total	0.2031	1.4788	1.3188	2.2000e-003		0.0796	0.0796		0.0769	0.0769	0.0000	181.5419	181.5419	0.0337	0.0000	182.3844

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3.5 Phase II 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	4.6900e-003	0.1494	0.0370	3.6000e-004	8.8200e-003	7.3000e-004	9.5600e-003	2.5500e-003	7.0000e-004	3.2500e-003	0.0000	34.4333	34.4333	2.2600e-003	0.0000	34.4898
Worker	0.0321	0.0246	0.2727	7.9000e-004	0.0790	6.1000e-004	0.0796	0.0210	5.6000e-004	0.0215	0.0000	71.1120	71.1120	2.0400e-003	0.0000	71.1630
Total	0.0368	0.1740	0.3097	1.1500e-003	0.0878	1.3400e-003	0.0892	0.0235	1.2600e-003	0.0248	0.0000	105.5452	105.5452	4.3000e-003	0.0000	105.6527

3.6 Phase II Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8829	5.8829	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8829	5.8829	1.8600e-003	0.0000	5.9295

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3.6 Phase II 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	2.9000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6420	0.6420	2.0000e-005	0.0000	0.6424
Total	2.9000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6420	0.6420	2.0000e-005	0.0000	0.6424

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8828	5.8828	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8828	5.8828	1.8600e-003	0.0000	5.9295

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3.6 Phase II 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	2.9000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6420	0.6420	2.0000e-005	0.0000	0.6424
Total	2.9000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6420	0.6420	2.0000e-005	0.0000	0.6424

3.7 Phase II 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	0.1146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	0.1158	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791

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3.7 Phase II 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	3.1000e-004	2.4000e-004	2.6500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6914	0.6914	2.0000e-005	0.0000	0.6919
Total	3.1000e-004	2.4000e-004	2.6500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6914	0.6914	2.0000e-005	0.0000	0.6919

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	0.1146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	0.1158	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791

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3.7 Phase II 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	3.1000e-004	2.4000e-004	2.6500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6914	0.6914	2.0000e-005	0.0000	0.6919
Total	3.1000e-004	2.4000e-004	2.6500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6914	0.6914	2.0000e-005	0.0000	0.6919

3.8 Phase III Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0101	0.0000	0.0101	1.5300e-003	0.0000	1.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9800e-003	0.0689	0.0507	8.0000e-005		3.6400e-003	3.6400e-003		3.4000e-003	3.4000e-003	0.0000	7.3750	7.3750	1.8900e-003	0.0000	7.4221
Total	6.9800e-003	0.0689	0.0507	8.0000e-005	0.0101	3.6400e-003	0.0138	1.5300e-003	3.4000e-003	4.9300e-003	0.0000	7.3750	7.3750	1.8900e-003	0.0000	7.4221

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3.8 Phase III Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4348	0.4348	1.0000e-005	0.0000	0.4351
Total	1.9000e-004	1.4000e-004	1.5900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4348	0.4348	1.0000e-005	0.0000	0.4351

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					3.1500e-003	0.0000	3.1500e-003	4.8000e-004	0.0000	4.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9800e-003	0.0689	0.0507	8.0000e-005		3.6400e-003	3.6400e-003		3.4000e-003	3.4000e-003	0.0000	7.3750	7.3750	1.8900e-003	0.0000	7.4221
Total	6.9800e-003	0.0689	0.0507	8.0000e-005	3.1500e-003	3.6400e-003	6.7900e-003	4.8000e-004	3.4000e-003	3.8800e-003	0.0000	7.3750	7.3750	1.8900e-003	0.0000	7.4221

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3.8 Phase III Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4348	0.4348	1.0000e-005	0.0000	0.4351
Total	1.9000e-004	1.4000e-004	1.5900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4348	0.4348	1.0000e-005	0.0000	0.4351

3.9 Phase III Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	1.5600e-003	0.0174	7.5600e-003	2.0000e-005	5.8000e-003	7.7000e-004	6.5700e-003	2.9500e-003	7.0000e-004	3.6500e-003	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241

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3.9 Phase III Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0765	0.0765	0.0000	0.0000	0.0765
Total	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0765	0.0765	0.0000	0.0000	0.0765

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					1.8100e-003	0.0000	1.8100e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	1.5600e-003	0.0174	7.5600e-003	2.0000e-005	1.8100e-003	7.7000e-004	2.5800e-003	9.2000e-004	7.0000e-004	1.6200e-003	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241

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3.9 Phase III Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0765	0.0765	0.0000	0.0000	0.0765
Total	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0765	0.0765	0.0000	0.0000	0.0765

3.10 Phase III Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0382	0.0000	0.0382	0.0191	0.0000	0.0191	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6600e-003	0.1075	0.0475	1.1000e-004		4.7800e-003	4.7800e-003		4.4000e-003	4.4000e-003	0.0000	9.2877	9.2877	3.0000e-003	0.0000	9.3628
Total	9.6600e-003	0.1075	0.0475	1.1000e-004	0.0382	4.7800e-003	0.0429	0.0191	4.4000e-003	0.0235	0.0000	9.2877	9.2877	3.0000e-003	0.0000	9.3628

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3.10 Phase III Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0119	0.0000	0.0119	5.9700e-003	0.0000	5.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6600e-003	0.1075	0.0475	1.1000e-004		4.7800e-003	4.7800e-003		4.4000e-003	4.4000e-003	0.0000	9.2877	9.2877	3.0000e-003	0.0000	9.3628
Total	9.6600e-003	0.1075	0.0475	1.1000e-004	0.0119	4.7800e-003	0.0167	5.9700e-003	4.4000e-003	0.0104	0.0000	9.2877	9.2877	3.0000e-003	0.0000	9.3628

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3.10 Phase III Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738

3.11 Phase III 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	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5476	181.5476	0.0324	0.0000	182.3579
Total	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5476	181.5476	0.0324	0.0000	182.3579

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3.11 Phase III Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9800e-003	0.1355	0.0336	3.5000e-004	8.8200e-003	2.7000e-004	9.1000e-003	2.5500e-003	2.6000e-004	2.8100e-003	0.0000	34.1805	34.1805	2.1600e-003	0.0000	34.2346
Worker	0.0300	0.0222	0.2509	7.6000e-004	0.0790	5.9000e-004	0.0796	0.0210	5.5000e-004	0.0215	0.0000	68.8075	68.8075	1.8500e-003	0.0000	68.8537
Total	0.0340	0.1576	0.2845	1.1100e-003	0.0878	8.6000e-004	0.0887	0.0235	8.1000e-004	0.0243	0.0000	102.9880	102.9880	4.0100e-003	0.0000	103.0882

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	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5474	181.5474	0.0324	0.0000	182.3577
Total	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5474	181.5474	0.0324	0.0000	182.3577

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3.11 Phase III 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	3.9800e-003	0.1355	0.0336	3.5000e-004	8.8200e-003	2.7000e-004	9.1000e-003	2.5500e-003	2.6000e-004	2.8100e-003	0.0000	34.1805	34.1805	2.1600e-003	0.0000	34.2346
Worker	0.0300	0.0222	0.2509	7.6000e-004	0.0790	5.9000e-004	0.0796	0.0210	5.5000e-004	0.0215	0.0000	68.8075	68.8075	1.8500e-003	0.0000	68.8537
Total	0.0340	0.1576	0.2845	1.1100e-003	0.0878	8.6000e-004	0.0887	0.0235	8.1000e-004	0.0243	0.0000	102.9880	102.9880	4.0100e-003	0.0000	103.0882

3.12 Phase III Paving - 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	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291

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3.12 Phase III Paving - 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	2.7000e-004	2.0000e-004	2.2700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6212	0.6212	2.0000e-005	0.0000	0.6216
Total	2.7000e-004	2.0000e-004	2.2700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6212	0.6212	2.0000e-005	0.0000	0.6216

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291

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3.12 Phase III Paving - 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	2.7000e-004	2.0000e-004	2.2700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6212	0.6212	2.0000e-005	0.0000	0.6216
Total	2.7000e-004	2.0000e-004	2.2700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6212	0.6212	2.0000e-005	0.0000	0.6216

3.13 Phase III 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	0.0802					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952
Total	0.0810	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952

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3.13 Phase III 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	2.0000e-004	1.5000e-004	1.7100e-003	1.0000e-005	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4683	0.4683	1.0000e-005	0.0000	0.4686
Total	2.0000e-004	1.5000e-004	1.7100e-003	1.0000e-005	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4683	0.4683	1.0000e-005	0.0000	0.4686

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	0.0802					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952
Total	0.0810	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952

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3.13 Phase III 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	2.0000e-004	1.5000e-004	1.7100e-003	1.0000e-005	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4683	0.4683	1.0000e-005	0.0000	0.4686
Total	2.0000e-004	1.5000e-004	1.7100e-003	1.0000e-005	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4683	0.4683	1.0000e-005	0.0000	0.4686

3.13 Phase III 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	0.0344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836
Total	0.0347	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836

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3.13 Phase III 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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1935	0.1935	0.0000	0.0000	0.1936
Total	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1935	0.1935	0.0000	0.0000	0.1936

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	0.0344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836
Total	0.0347	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836

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3.13 Phase III 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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1935	0.1935	0.0000	0.0000	0.1936
Total	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1935	0.1935	0.0000	0.0000	0.1936

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	0.0610	0.3484	0.8320	3.2000e-003	0.2688	2.5300e-003	0.2713	0.0720	2.3600e-003	0.0744	0.0000	295.8806	295.8806	0.0141	0.0000	296.2320
Unmitigated	0.0610	0.3484	0.8320	3.2000e-003	0.2688	2.5300e-003	0.2713	0.0720	2.3600e-003	0.0744	0.0000	295.8806	295.8806	0.0141	0.0000	296.2320

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	216.46	173.80	192.76	707,282	707,282
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	216.46	173.80	192.76	707,282	707,282

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Enclosed Parking with Elevator	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Unenclosed Parking with Elevator	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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	198.1074	198.1074	5.1500e-003	1.0700e-003	198.5538
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	198.1074	198.1074	5.1500e-003	1.0700e-003	198.5538
Natural Gas Mitigated	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562
Natural Gas Unmitigated	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562

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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)	867276	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562

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)	867276	4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.6800e-003	0.0400	0.0170	2.6000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2812	46.2812	8.9000e-004	8.5000e-004	46.5562

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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)	320237	162.0094	4.2100e-003	8.7000e-004	162.3745
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	71353.2	36.0980	9.4000e-004	1.9000e-004	36.1793
Total		198.1074	5.1500e-003	1.0600e-003	198.5538

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	320237	162.0094	4.2100e-003	8.7000e-004	162.3745
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	71353.2	36.0980	9.4000e-004	1.9000e-004	36.1793
Total		198.1074	5.1500e-003	1.0600e-003	198.5538

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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4239	0.0299	1.3201	1.3200e-003		0.0800	0.0800		0.0800	0.0800	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795
Unmitigated	0.4239	0.0299	1.3201	1.3200e-003		0.0800	0.0800		0.0800	0.0800	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795

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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	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1289					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2588	0.0205	0.5022	1.2800e-003		0.0754	0.0754		0.0754	0.0754	8.3913	16.1252	24.5165	0.0250	5.7000e-004	25.3119
Landscaping	0.0249	9.4300e-003	0.8179	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3353	1.3353	1.3000e-003	0.0000	1.3677
Total	0.4239	0.0299	1.3201	1.3200e-003		0.0799	0.0799		0.0799	0.0799	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795

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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	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1289					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2588	0.0205	0.5022	1.2800e-003		0.0754	0.0754		0.0754	0.0754	8.3913	16.1252	24.5165	0.0250	5.7000e-004	25.3119
Landscaping	0.0249	9.4300e-003	0.8179	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3353	1.3353	1.3000e-003	0.0000	1.3677
Total	0.4239	0.0299	1.3201	1.3200e-003		0.0799	0.0799		0.0799	0.0799	8.3913	17.4605	25.8518	0.0263	5.7000e-004	26.6795

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	53.7780	0.1691	4.2400e-003	59.2686
Unmitigated	53.7780	0.1691	4.2400e-003	59.2686

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	5.14717 / 3.24495	53.7780	0.1691	4.2400e-003	59.2686
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		53.7780	0.1691	4.2400e-003	59.2686

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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)	5.14717 / 3.24495	53.7780	0.1691	4.2400e-003	59.2686
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		53.7780	0.1691	4.2400e-003	59.2686

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6336	0.8648	0.0000	36.2542
Unmitigated	14.6336	0.8648	0.0000	36.2542

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	72.09	14.6336	0.8648	0.0000	36.2542
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		14.6336	0.8648	0.0000	36.2542

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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)	72.09	14.6336	0.8648	0.0000	36.2542
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		14.6336	0.8648	0.0000	36.2542

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
