Appendix C

Air Quality, Greenhouse Gas, and Energy Modeling Files

Appendix B: Air Quality, Greenhouse Gas, and Energy Modeling Files

B-1: Construction AQ & GHG Emissions

Emissions Summary

Regional Emissions (ONSITE + OFFSITE)

				Regional Emissions (Onsite + Offsite)					
				ROG	NO_X	CO	SO_X	PM_{10} Total	$PM_{2.5}$ Total
Source	**Start Date**	**End Date**	**# of Workdays**	**lb/day**					
3.2 Grubbing/Land Clearing - 2022	10/1/2022	10/15/2022	10	1.76	**20.41**	10.74	**0.03**	**2.53**	**0.93**
3.3 Grading/Excavation - 2022	10/1/2022	12/31/2022	65	4.13	**46.19**	29.99	**0.08**	**3.11**	**1.86**
3.3 Grading/Excavation - 2023	1/1/2023	5/31/2023	108	3.84	40.79	**29.17**	0.08	2.84	1.67
3.4 Sewer Line Installation - 2022	10/1/2022	12/31/2022	65	0.60	**5.78**	7.80	**0.01**	**0.42**	**0.29**
3.4 Sewer Line Installation - 2023	1/1/2023	6/1/2023	109	0.55	5.17	**7.75**	0.01	0.38	0.26
3.5 Drainage/Utilities/Subgrade - 2023	5/1/2023	8/31/2023	89	1.27	11.10	**15.69**	0.03	0.77	0.57
3.6 Construction - 2023	6/1/2023	12/31/2023	152	**1.67**	15.35	16.90	0.03	1.09	0.78
3.6 Construction - 2024	1/1/2024	1/31/2024	23	1.57	14.32	16.78	0.03	1.32	0.77
3.7 Paving - 2023	11/30/2023	12/31/2023	22	**0.75**	5.57	7.70	0.01	0.40	0.27
3.7 Paving - 2024	1/1/2024	1/31/2024	23	0.72	5.23	7.70	0.01	0.37	0.25
3.8 Architectural Coating - 2023	12/14/2023	12/31/2023	12	**12.58**	2.20	2.65	0.01	0.17	0.12
3.8 Architectural Coating - 2024	1/1/2024	1/31/2024	23	12.57	2.08	2.64	0.01	0.16	0.10
Maximum Daily Emissions				***15.00***	***72.38***	***52.61***	***0.13***	***6.05***	***3.08***
SDAPCD Significance Thresholds				75	250	550	250	100	55
Exceeds Threshold?				**No**	**No**	**No**	**No**	**No**	**No**

Regional Emissions	Onsite Emissions										Offsite Emissions									
Summer	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total
Source	lb/day										lb/day									
3.2 Grubbing/Land Clearing - 2022	1.68	19.80	10.20	0.03	1.59	0.77	2.36	0.17	0.70	0.88	0.07	0.61	0.54	0.00	0.17	0.00	0.17	0.05	0.00	0.05
3.3 Grading/Excavation - 2022	3.94	44.11	28.58	0.07	0.77	1.76	2.53	0.09	1.61	1.70	0.18	2.06	1.41	0.01	0.57	0.01	0.58	0.15	0.01	0.16
3.3 Grading/Excavation - 2023	3.67	39.29	27.86	0.07	0.77	1.57	2.35	0.09	1.45	1.54	0.15	1.49	1.31	0.01	0.49	0.00	0.49	0.13	0.00	0.13
3.4 Sewer Line Installation - 2022	0.53	5.18	7.35	0.01	0.00	0.28	0.28	0.00	0.25	0.25	0.06	0.60	0.44	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.4 Sewer Line Installation - 2023	0.49	4.69	7.34	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.05	0.48	0.41	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.5 Drainage/Utilities/Subgrade - 2023	1.17	10.60	15.01	0.02	0.00	0.53	0.53	0.00	0.50	0.50	0.09	0.50	0.68	0.00	0.24	0.00	0.24	0.06	0.00	0.07
3.6 Construction - 2023	1.52	14.22	15.82	0.03	0.00	0.71	0.71	0.00	0.67	0.67	0.13	1.12	1.09	0.01	0.38	0.00	0.38	0.10	0.00	0.10
3.6 Construction - 2024	1.43	13.22	15.74	0.03	0.00	0.62	0.62	0.00	0.59	0.59	0.13	1.09	1.04	0.01	0.70	0.00	0.70	0.18	0.00	0.18
3.7 Paving - 2023	0.69	5.10	7.29	0.01	0.00	0.26	0.26	0.00	0.23	0.23	0.05	0.48	0.41	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.7 Paving - 2024	0.67	4.76	7.31	0.01	0.00	0.23	0.23	0.00	0.22	0.22	0.05	0.47	0.39	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.8 Architectural Coating - 2023	12.56	1.74	2.41	0.00	0.00	0.09	0.09	0.00	0.09	0.09	0.03	0.46	0.23	0.00	0.07	0.00	0.07	0.02	0.00	0.02
3.8 Architectural Coating - 2024	12.54	1.63	2.41	0.00	0.00	0.08	0.08	0.00	0.08	0.08	0.02	0.46	0.22	0.00	0.07	0.00	0.07	0.02	0.00	0.02

Summer	Regional Emissions (Onsite + Offsite)									
	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total
Source	lb/day									
3.2 Grubbing/Land Clearing - 2022	1.75	20.41	10.74	0.03	1.76	0.77	2.53	0.22	0.71	0.92
3.3 Grading/Excavation - 2022	4.12	46.17	29.99	0.08	1.34	1.76	3.11	0.24	1.62	1.86
3.3 Grading/Excavation - 2023	3.82	40.78	29.17	0.08	1.26	1.58	2.84	0.22	1.45	1.67
3.4 Sewer Line Installation - 2022	0.59	5.78	7.80	0.01	0.14	0.28	0.42	0.04	0.26	0.29
3.4 Sewer Line Installation - 2023	0.54	5.17	7.75	0.01	0.14	0.24	0.38	0.04	0.22	0.26
3.5 Drainage/Utilities/Subgrade - 2023	1.25	11.10	15.69	0.03	0.24	0.53	0.77	0.06	0.50	0.57
3.6 Construction - 2023	1.65	15.34	16.90	0.03	0.38	0.72	1.09	0.10	0.68	0.78
3.6 Construction - 2024	1.55	14.32	16.78	0.03	0.70	0.63	1.32	0.18	0.59	0.77
3.7 Paving - 2023	0.74	5.57	7.70	0.01	0.14	0.26	0.40	0.04	0.24	0.27
3.7 Paving - 2024	0.72	5.23	7.70	0.01	0.14	0.24	0.37	0.04	0.22	0.25
3.8 Architectural Coating - 2023	12.58	2.20	2.64	0.01	0.07	0.10	0.17	0.02	0.10	0.12
3.8 Architectural Coating - 2024	12.57	2.08	2.63	0.01	0.07	0.08	0.16	0.02	0.08	0.10

Regional Emissions	Onsite Emissions										Offsite Emissions									
Winter	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total
Source	lb/day										lb/day									
3.2 Grubbing/Land Clearing - 2022	1.68	19.80	10.20	0.03	1.59	0.77	2.36	0.17	0.70	0.88	0.08	0.61	0.53	0.00	0.17	0.00	0.17	0.05	0.00	0.05
3.3 Grading/Excavation - 2022	3.94	44.11	28.58	0.07	0.77	1.76	2.53	0.09	1.61	1.70	0.19	2.07	1.39	0.01	0.57	0.01	0.58	0.15	0.01	0.16
3.3 Grading/Excavation - 2023	3.67	39.29	27.86	0.07	0.77	1.57	2.35	0.09	1.45	1.54	0.17	1.50	1.29	0.01	0.49	0.00	0.49	0.13	0.00	0.13
3.4 Sewer Line Installation - 2022	0.53	5.18	7.35	0.01	0.00	0.28	0.28	0.00	0.25	0.25	0.06	0.60	0.44	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.4 Sewer Line Installation - 2023	0.49	4.69	7.34	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.06	0.48	0.41	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.5 Drainage/Utilities/Subgrade - 2023	1.17	10.60	15.01	0.02	0.00	0.53	0.53	0.00	0.50	0.50	0.10	0.50	0.66	0.00	0.24	0.00	0.24	0.06	0.00	0.07
3.6 Construction - 2023	1.52	14.22	15.82	0.03	0.00	0.71	0.71	0.00	0.67	0.67	0.15	1.13	1.06	0.01	0.38	0.00	0.38	0.10	0.00	0.10
3.6 Construction - 2024	1.43	13.22	15.74	0.03	0.00	0.62	0.62	0.00	0.59	0.59	0.14	1.10	1.02	0.01	0.70	0.00	0.70	0.18	0.00	0.18
3.7 Paving - 2023	0.69	5.10	7.29	0.01	0.00	0.26	0.26	0.00	0.23	0.23	0.06	0.48	0.41	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.7 Paving - 2024	0.67	4.76	7.31	0.01	0.00	0.23	0.23	0.00	0.22	0.22	0.05	0.47	0.38	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.8 Architectural Coating - 2023	12.56	1.74	2.41	0.00	0.00	0.09	0.09	0.00	0.09	0.09	0.03	0.46	0.23	0.00	0.07	0.00	0.07	0.02	0.00	0.02
3.8 Architectural Coating - 2024	12.54	1.63	2.41	0.00	0.00	0.08	0.08	0.00	0.08	0.08	0.03	0.45	0.22	0.00	0.07	0.00	0.07	0.02	0.00	0.02

Winter	Regional Emissions (Onsite + Offsite)									
	ROG	NO_X	CO	SO_X	PM_{10} Fugitive	PM_{10} Exhaust	PM_{10} Total	$PM_{2.5}$ Fugitive	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Total
Source	lb/day									
3.2 Grubbing/Land Clearing - 2022	1.76	20.41	10.73	0.03	1.76	0.77	2.53	0.22	0.71	0.93
3.3 Grading/Excavation - 2022	4.13	46.19	29.97	0.08	1.34	1.76	3.11	0.24	1.62	1.86
3.3 Grading/Excavation - 2023	3.84	40.79	29.14	0.08	1.26	1.58	2.84	0.22	1.45	1.67
3.4 Sewer Line Installation - 2022	0.60	5.78	7.80	0.01	0.14	0.28	0.42	0.04	0.26	0.29
3.4 Sewer Line Installation - 2023	0.55	5.17	7.75	0.01	0.14	0.24	0.38	0.04	0.22	0.26
3.5 Drainage/Utilities/Subgrade - 2023	1.27	11.10	15.67	0.03	0.24	0.53	0.77	0.06	0.50	0.57
3.6 Construction - 2023	1.67	15.35	16.88	0.03	0.38	0.72	1.09	0.10	0.68	0.78
3.6 Construction - 2024	1.57	14.32	16.76	0.03	0.70	0.63	1.32	0.18	0.59	0.77
3.7 Paving - 2023	0.75	5.57	7.70	0.01	0.14	0.26	0.40	0.04	0.24	0.27
3.7 Paving - 2024	0.72	5.23	7.70	0.01	0.14	0.24	0.37	0.04	0.22	0.25
3.8 Architectural Coating - 2023	12.58	2.20	2.65	0.01	0.07	0.10	0.17	0.02	0.10	0.12
3.8 Architectural Coating - 2024	12.57	2.08	2.64	0.01	0.07	0.08	0.16	0.02	0.08	0.10

Alpine Park Project-Construction

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Health club land used was used to represent park amenities that include buidlings.

Trips and VMT - Water trucks included for dust control.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	7320	2570
tblAreaCoating	Area_Nonresidential_Interior	21960	7710
tblConstructionPhase	NumDays	440.00	174.00
tblConstructionPhase	NumDays	440.00	89.00
tblConstructionPhase	NumDays	440.00	175.00
tblConstructionPhase	NumDays	45.00	173.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	20.00	10.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.4350e-003	0.00
tblFleetMix	MCY	5.9380e-003	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	1.0560e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.9340e-003	0.00
tblFleetMix	SBUS	7.5700e-004	0.00
tblFleetMix	UBUS	1.8880e-003	0.00
tblGrading	AcresOfGrading	605.50	112.50
tblGrading	MaterialExported	0.00	45,900.00
tblGrading	MaterialImported	0.00	54,144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	1.94	1.95
tblTripsAndVMT	HaulingTripNumber	12,506.00	1,036.00
tblTripsAndVMT	HaulingTripNumber	0.00	656.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	16.00
tblTripsAndVMT	WorkerTripNumber	23.00	36.00
tblTripsAndVMT	WorkerTripNumber	471.00	12.00
tblTripsAndVMT	WorkerTripNumber	471.00	24.00
tblTripsAndVMT	WorkerTripNumber	471.00	32.00
tblTripsAndVMT	WorkerTripNumber	8.00	12.00
tblTripsAndVMT	WorkerTripNumber	94.00	4.00
tblWater	OutdoorWaterUseRate	26,867,904.43	27,070,456.26

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	6.4522	72.3611	48.5278	0.1250	3.2454	2.8077	6.0532	0.4940	2.5834	3.0774	0.0000	12,232.6246	12,232.6246	3.5585	0.0000	12,321.5863
2023	14.9766	57.0466	52.6133	0.1194	1.6365	2.3484	3.9848	0.3191	2.1784	2.4975	0.0000	11,669.3469	11,669.3469	3.0951	0.0000	11,746.7250
2024	14.8358	21.6264	27.1107	0.0533	0.9092	0.9445	1.8537	0.2380	0.8909	1.1289	0.0000	5,234.9507	5,234.9507	1.0122	0.0000	5,260.2548
Maximum	**14.9766**	**72.3611**	**52.6133**	**0.1250**	**3.2454**	**2.8077**	**6.0532**	**0.4940**	**2.5834**	**3.0774**	**0.0000**	**12,232.6246**	**12,232.6246**	**3.5585**	**0.0000**	**12,321.5863**

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	lb/day										lb/day					
2022	6.4522	72.3611	48.5278	0.1250	1.8048	2.8077	4.6126	0.3363	2.5834	2.9197	0.0000	12,232.6246	12,232.6246	3.5585	0.0000	12,321.5863
2023	14.9766	57.0466	52.6133	0.1194	1.1663	2.3484	3.5146	0.2662	2.1784	2.4446	0.0000	11,669.3469	11,669.3469	3.0951	0.0000	11,746.7250
2024	14.8358	21.6264	27.1107	0.0533	0.9092	0.9445	1.8537	0.2380	0.8909	1.1289	0.0000	5,234.9507	5,234.9507	1.0122	0.0000	5,260.2548
Maximum	**14.9766**	**72.3611**	**52.6133**	**0.1250**	**1.8048**	**2.8077**	**4.6126**	**0.3363**	**2.5834**	**2.9197**	**0.0000**	**12,232.6246**	**12,232.6246**	**3.5585**	**0.0000**	**12,321.5863**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.00**	**0.00**	**16.07**	**20.04**	**0.00**	**3.14**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing/Land Clearing	Site Preparation	10/1/2022	10/15/2022	5	10	
2	Grading/Excavation	Grading	10/1/2022	5/31/2023	5	173	
3	Sewer Line Installation	Building Construction	10/1/2022	6/1/2023	5	174	
4	Drainage/Utilities/Subgrade	Building Construction	5/1/2023	8/31/2023	5	89	
5	Construction	Building Construction	6/1/2023	1/31/2024	5	175	
6	Paving	Paving	11/30/2023	1/31/2024	5	45	
7	Architectural Coating	Architectural Coating	12/14/2023	1/31/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,960; Non-Residential Outdoor: 7,320; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing/Land Clearing	Crawler Tractors	3	8.00	212	0.43
Grubbing/Land Clearing	Excavators	1	8.00	158	0.38
Grading/Excavation	Crawler Tractors	3	8.00	212	0.43
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Rubber Tired Loaders	1	8.00	203	0.36
Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavation	Scrapers	2	8.00	367	0.48
Drainage/Utilities/Subgrade	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Subgrade	Generator Sets	1	8.00	84	0.74
Drainage/Utilities/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Sewer Line Installation	Excavators	1	8.00	158	0.38
Sewer Line Installation	Rollers	1	8.00	80	0.38
Sewer Line Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction	Air Compressors	1	8.00	78	0.48
Construction	Cranes	1	8.00	231	0.29
Construction	Forklifts	3	8.00	89	0.20
Construction	Generator Sets	1	8.00	84	0.74
Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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
Grubbing/Land Clearing	4	16.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	9	36.00	6.00	1,036.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	6	24.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Line Installation	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Construction	8	32.00	6.00	656.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Grubbing/Land Clearing - 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	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.6782	19.8005	10.1996	0.0287		0.7661	0.7661		0.7048	0.7048		2,777.1123	2,777.1123	0.8982		2,799.5667
Total	**1.6782**	**19.8005**	**10.1996**	**0.0287**	**1.5908**	**0.7661**	**2.3568**	**0.1718**	**0.7048**	**0.8765**		**2,777.1123**	**2,777.1123**	**0.8982**		**2,799.5667**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.0523	0.0328	0.3946	1.2600e-003	0.1314	8.9000e-004	0.1323	0.0349	8.2000e-004	0.0357		125.5296	125.5296	3.4100e-003		125.6148
Total	**0.0692**	**0.6102**	**0.5421**	**2.8700e-003**	**0.1721**	**1.9900e-003**	**0.1740**	**0.0466**	**1.8800e-003**	**0.0484**		**298.6978**	**298.6978**	**0.0155**		**299.0858**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.6782	19.8005	10.1996	0.0287		0.7661	0.7661		0.7048	0.7048	0.0000	2,777.1123	2,777.1123	0.8982		2,799.5667
Total	**1.6782**	**19.8005**	**10.1996**	**0.0287**	**0.6204**	**0.7661**	**1.3864**	**0.0670**	**0.7048**	**0.7718**	**0.0000**	**2,777.1123**	**2,777.1123**	**0.8982**		**2,799.5667**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.0523	0.0328	0.3946	1.2600e-003	0.1314	8.9000e-004	0.1323	0.0349	8.2000e-004	0.0357		125.5296	125.5296	3.4100e-003		125.6148
Total	**0.0692**	**0.6102**	**0.5421**	**2.8700e-003**	**0.1721**	**1.9900e-003**	**0.1740**	**0.0466**	**1.8800e-003**	**0.0484**		**298.6978**	**298.6978**	**0.0155**		**299.0858**

3.3 Grading/Excavation - 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	lb/day										lb/day					
Fugitive Dust					0.7709	0.0000	0.7709	0.0868	0.0000	0.0868			0.0000			0.0000
Off-Road	3.9390	44.1140	28.5807	0.0710		1.7554	1.7554		1.6149	1.6149		6,878.7072	6,878.7072	2.2247		6,934.3251
Total	**3.9390**	**44.1140**	**28.5807**	**0.0710**	**0.7709**	**1.7554**	**2.5262**	**0.0868**	**1.6149**	**1.7017**		**6,878.7072**	**6,878.7072**	**2.2247**		**6,934.3251**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0417	1.4047	0.3732	4.5500e-003	0.2362	3.9700e-003	0.2402	0.0610	3.8000e-003	0.0648		499.8240	499.8240	0.0443		500.9313
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	**0.1763**	**2.0559**	**1.4086**	**8.9900e-003**	**0.5725**	**7.0700e-003**	**0.5796**	**0.1511**	**6.7000e-003**	**0.1578**		**955.4338**	**955.4338**	**0.0641**		**957.0356**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3007	0.0000	0.3007	0.0338	0.0000	0.0338			0.0000			0.0000
Off-Road	3.9390	44.1140	28.5807	0.0710		1.7554	1.7554		1.6149	1.6149	0.0000	6,878.7072	6,878.7072	2.2247		6,934.3250
Total	**3.9390**	**44.1140**	**28.5807**	**0.0710**	**0.3007**	**1.7554**	**2.0560**	**0.0338**	**1.6149**	**1.6488**	**0.0000**	**6,878.7072**	**6,878.7072**	**2.2247**		**6,934.3250**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0417	1.4047	0.3732	4.5500e-003	0.2362	3.9700e-003	0.2402	0.0610	3.8000e-003	0.0648		499.8240	499.8240	0.0443		500.9313
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	**0.1763**	**2.0559**	**1.4086**	**8.9900e-003**	**0.5725**	**7.0700e-003**	**0.5796**	**0.1511**	**6.7000e-003**	**0.1578**		**955.4338**	**955.4338**	**0.0641**		**957.0356**

3.3 Grading/Excavation - 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	lb/day										lb/day					
Fugitive Dust					0.7709	0.0000	0.7709	0.0868	0.0000	0.0868			0.0000			0.0000
Off-Road	3.6703	39.2896	27.8561	0.0710		1.5749	1.5749		1.4489	1.4489		6,876.4237	6,876.4237	2.2240		6,932.0231
Total	**3.6703**	**39.2896**	**27.8561**	**0.0710**	**0.7709**	**1.5749**	**2.3458**	**0.0868**	**1.4489**	**1.5357**		**6,876.4237**	**6,876.4237**	**2.2240**		**6,932.0231**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0298	0.9685	0.3516	4.3800e-003	0.1523	1.7900e-003	0.1541	0.0404	1.7100e-003	0.0421		482.8698	482.8698	0.0424		483.9294
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.1115	0.0674	0.8248	2.7200e-003	0.2957	1.9600e-003	0.2977	0.0784	1.8000e-003	0.0803		271.6442	271.6442	7.0200e-003		271.8197
Total	**0.1543**	**1.4905**	**1.3115**	**8.6600e-003**	**0.4886**	**4.2900e-003**	**0.4929**	**0.1305**	**4.0200e-003**	**0.1345**		**923.3042**	**923.3042**	**0.0605**		**924.8164**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3007	0.0000	0.3007	0.0338	0.0000	0.0338			0.0000			0.0000
Off-Road	3.6703	39.2896	27.8561	0.0710		1.5749	1.5749		1.4489	1.4489	0.0000	6,876.4237	6,876.4237	2.2240		6,932.0231
Total	**3.6703**	**39.2896**	**27.8561**	**0.0710**	**0.3007**	**1.5749**	**1.8755**	**0.0338**	**1.4489**	**1.4827**	**0.0000**	**6,876.4237**	**6,876.4237**	**2.2240**		**6,932.0231**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0298	0.9685	0.3516	4.3800e-003	0.1523	1.7900e-003	0.1541	0.0404	1.7100e-003	0.0421		482.8698	482.8698	0.0424		483.9294
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.1115	0.0674	0.8248	2.7200e-003	0.2957	1.9600e-003	0.2977	0.0784	1.8000e-003	0.0803		271.6442	271.6442	7.0200e-003		271.8197
Total	**0.1543**	**1.4905**	**1.3115**	**8.6600e-003**	**0.4886**	**4.2900e-003**	**0.4929**	**0.1305**	**4.0200e-003**	**0.1345**		**923.3042**	**923.3042**	**0.0605**		**924.8164**

3.4 Sewer Line Installation - 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	lb/day										lb/day					
Off-Road	0.5334	5.1785	7.3534	0.0109		0.2755	0.2755		0.2535	0.2535		1,055.3580	1,055.3580	0.3413		1,063.8911
Total	**0.5334**	**5.1785**	**7.3534**	**0.0109**		**0.2755**	**0.2755**		**0.2535**	**0.2535**		**1,055.3580**	**1,055.3580**	**0.3413**		**1,063.8911**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.0392	0.0246	0.2960	9.4000e-004	0.0986	6.7000e-004	0.0992	0.0262	6.1000e-004	0.0268		94.1472	94.1472	2.5600e-003		94.2111
Total	**0.0561**	**0.6020**	**0.4434**	**2.5500e-003**	**0.1392**	**1.7700e-003**	**0.1410**	**0.0378**	**1.6700e-003**	**0.0395**		**267.3154**	**267.3154**	**0.0147**		**267.6821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5334	5.1785	7.3534	0.0109		0.2755	0.2755		0.2535	0.2535	0.0000	1,055.3580	1,055.3580	0.3413		1,063.8911
Total	**0.5334**	**5.1785**	**7.3534**	**0.0109**		**0.2755**	**0.2755**		**0.2535**	**0.2535**	**0.0000**	**1,055.3580**	**1,055.3580**	**0.3413**		**1,063.8911**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.5774	0.1475	1.6100e-003	0.0406	1.1000e-003	0.0417	0.0117	1.0600e-003	0.0128		173.1683	173.1683	0.0121		173.4710
Worker	0.0392	0.0246	0.2960	9.4000e-004	0.0986	6.7000e-004	0.0992	0.0262	6.1000e-004	0.0268		94.1472	94.1472	2.5600e-003		94.2111
Total	**0.0561**	**0.6020**	**0.4434**	**2.5500e-003**	**0.1392**	**1.7700e-003**	**0.1410**	**0.0378**	**1.6700e-003**	**0.0395**		**267.3154**	**267.3154**	**0.0147**		**267.6821**

3.4 Sewer Line Installation - 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	lb/day										lb/day					
Off-Road	0.4938	4.6944	7.3413	0.0109		0.2402	0.2402		0.2210	0.2210		1,055.7898	1,055.7898	0.3415		1,064.3264
Total	**0.4938**	**4.6944**	**7.3413**	**0.0109**		**0.2402**	**0.2402**		**0.2210**	**0.2210**		**1,055.7898**	**1,055.7898**	**0.3415**		**1,064.3264**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0372	0.0225	0.2749	9.1000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		90.5481	90.5481	2.3400e-003		90.6066
Total	**0.0502**	**0.4770**	**0.4100**	**2.4700e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**259.3383**	**259.3383**	**0.0134**		**259.6739**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4938	4.6944	7.3413	0.0109		0.2402	0.2402		0.2210	0.2210	0.0000	1,055.7898	1,055.7898	0.3415		1,064.3264
Total	**0.4938**	**4.6944**	**7.3413**	**0.0109**		**0.2402**	**0.2402**		**0.2210**	**0.2210**	**0.0000**	**1,055.7898**	**1,055.7898**	**0.3415**		**1,064.3264**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0372	0.0225	0.2749	9.1000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		90.5481	90.5481	2.3400e-003		90.6066
Total	**0.0502**	**0.4770**	**0.4100**	**2.4700e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**259.3383**	**259.3383**	**0.0134**		**259.6739**

3.5 Drainage/Utilities/Subgrade - 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	lb/day										lb/day					
Off-Road	1.1669	10.5956	15.0095	0.0230		0.5260	0.5260		0.5017	0.5017		2,204.6046	2,204.6046	0.4400		2,215.6047
Total	**1.1669**	**10.5956**	**15.0095**	**0.0230**		**0.5260**	**0.5260**		**0.5017**	**0.5017**		**2,204.6046**	**2,204.6046**	**0.4400**		**2,215.6047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0743	0.0449	0.5499	1.8200e-003	0.1972	1.3100e-003	0.1985	0.0523	1.2000e-003	0.0535		181.0961	181.0961	4.6800e-003		181.2131
Total	**0.0873**	**0.4995**	**0.6849**	**3.3800e-003**	**0.2378**	**1.8500e-003**	**0.2396**	**0.0640**	**1.7100e-003**	**0.0657**		**349.8863**	**349.8863**	**0.0158**		**350.2805**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1669	10.5956	15.0095	0.0230		0.5260	0.5260		0.5017	0.5017	0.0000	2,204.6046	2,204.6046	0.4400		2,215.6047
Total	**1.1669**	**10.5956**	**15.0095**	**0.0230**		**0.5260**	**0.5260**		**0.5017**	**0.5017**	**0.0000**	**2,204.6046**	**2,204.6046**	**0.4400**		**2,215.6047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0743	0.0449	0.5499	1.8200e-003	0.1972	1.3100e-003	0.1985	0.0523	1.2000e-003	0.0535		181.0961	181.0961	4.6800e-003		181.2131
Total	**0.0873**	**0.4995**	**0.6849**	**3.3800e-003**	**0.2378**	**1.8500e-003**	**0.2396**	**0.0640**	**1.7100e-003**	**0.0657**		**349.8863**	**349.8863**	**0.0158**		**350.2805**

3.6 Construction - 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	lb/day										lb/day					
Off-Road	1.5232	14.2188	15.8156	0.0271		0.7116	0.7116		0.6725	0.6725		2,604.3634	2,604.3634	0.5693		2,618.5957
Total	**1.5232**	**14.2188**	**15.8156**	**0.0271**		**0.7116**	**0.7116**		**0.6725**	**0.6725**		**2,604.3634**	**2,604.3634**	**0.5693**		**2,618.5957**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0187	0.6063	0.2201	2.7400e-003	0.0730	1.1200e-003	0.0741	0.0198	1.0700e-003	0.0209		302.2610	302.2610	0.0265		302.9243
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0991	0.0599	0.7332	2.4200e-003	0.2629	1.7400e-003	0.2646	0.0697	1.6000e-003	0.0713		241.4615	241.4615	6.2400e-003		241.6175
Total	**0.1308**	**1.1207**	**1.0883**	**6.7200e-003**	**0.3765**	**3.4000e-003**	**0.3799**	**0.1012**	**3.1800e-003**	**0.1044**		**712.5127**	**712.5127**	**0.0439**		**713.6092**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5232	14.2188	15.8156	0.0271		0.7116	0.7116		0.6725	0.6725	0.0000	2,604.3634	2,604.3634	0.5693		2,618.5957
Total	**1.5232**	**14.2188**	**15.8156**	**0.0271**		**0.7116**	**0.7116**		**0.6725**	**0.6725**	**0.0000**	**2,604.3634**	**2,604.3634**	**0.5693**		**2,618.5957**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0187	0.6063	0.2201	2.7400e-003	0.0730	1.1200e-003	0.0741	0.0198	1.0700e-003	0.0209		302.2610	302.2610	0.0265		302.9243
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0991	0.0599	0.7332	2.4200e-003	0.2629	1.7400e-003	0.2646	0.0697	1.6000e-003	0.0713		241.4615	241.4615	6.2400e-003		241.6175
Total	**0.1308**	**1.1207**	**1.0883**	**6.7200e-003**	**0.3765**	**3.4000e-003**	**0.3799**	**0.1012**	**3.1800e-003**	**0.1044**		**712.5127**	**712.5127**	**0.0439**		**713.6092**

3.6 Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4283	13.2210	15.7412	0.0271		0.6238	0.6238		0.5892	0.5892		2,604.7319	2,604.7319	0.5659		2,618.8794
Total	**1.4283**	**13.2210**	**15.7412**	**0.0271**		**0.6238**	**0.6238**		**0.5892**	**0.5892**		**2,604.7319**	**2,604.7319**	**0.5659**		**2,618.8794**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0184	0.5910	0.2223	2.7100e-003	0.3930	1.1000e-003	0.3941	0.0983	1.0500e-003	0.0994		300.1456	300.1456	0.0267		300.8123
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0941	0.0549	0.6855	2.3300e-003	0.2629	1.7100e-003	0.2646	0.0697	1.5700e-003	0.0713		231.9479	231.9479	5.7400e-003		232.0913
Total	**0.1250**	**1.0942**	**1.0386**	**6.5900e-003**	**0.6965**	**3.3300e-003**	**0.6999**	**0.1798**	**3.1200e-003**	**0.1829**		**699.7980**	**699.7980**	**0.0434**		**700.8821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4283	13.2210	15.7412	0.0271		0.6238	0.6238		0.5892	0.5892	0.0000	2,604.7319	2,604.7319	0.5659		2,618.8794
Total	**1.4283**	**13.2210**	**15.7412**	**0.0271**		**0.6238**	**0.6238**		**0.5892**	**0.5892**	**0.0000**	**2,604.7319**	**2,604.7319**	**0.5659**		**2,618.8794**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0184	0.5910	0.2223	2.7100e-003	0.3930	1.1000e-003	0.3941	0.0983	1.0500e-003	0.0994		300.1456	300.1456	0.0267		300.8123
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0941	0.0549	0.6855	2.3300e-003	0.2629	1.7100e-003	0.2646	0.0697	1.5700e-003	0.0713		231.9479	231.9479	5.7400e-003		232.0913
Total	**0.1250**	**1.0942**	**1.0386**	**6.5900e-003**	**0.6965**	**3.3300e-003**	**0.6999**	**0.1798**	**3.1200e-003**	**0.1829**		**699.7980**	**699.7980**	**0.0434**		**700.8821**

3.7 Paving - 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	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6916**	**5.0958**	**7.2921**	**0.0114**		**0.2551**	**0.2551**		**0.2347**	**0.2347**		**1,103.7921**	**1,103.7921**	**0.3570**		**1,112.7168**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0372	0.0225	0.2749	9.1000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		90.5481	90.5481	2.3400e-003		90.6066
Total	**0.0502**	**0.4770**	**0.4100**	**2.4700e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**259.3383**	**259.3383**	**0.0134**		**259.6739**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6916**	**5.0958**	**7.2921**	**0.0114**		**0.2551**	**0.2551**		**0.2347**	**0.2347**	**0.0000**	**1,103.7921**	**1,103.7921**	**0.3570**		**1,112.7168**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0372	0.0225	0.2749	9.1000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		90.5481	90.5481	2.3400e-003		90.6066
Total	**0.0502**	**0.4770**	**0.4100**	**2.4700e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**259.3383**	**259.3383**	**0.0134**		**259.6739**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155		1,103.7736	1,103.7736	0.3570		1,112.6982
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6693**	**4.7623**	**7.3129**	**0.0114**		**0.2343**	**0.2343**		**0.2155**	**0.2155**		**1,103.7736**	**1,103.7736**	**0.3570**		**1,112.6982**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0353	0.0206	0.2571	8.7000e-004	0.0986	6.4000e-004	0.0992	0.0262	5.9000e-004	0.0267		86.9805	86.9805	2.1500e-003		87.0343
Total	**0.0478**	**0.4688**	**0.3879**	**2.4200e-003**	**0.1392**	**1.1600e-003**	**0.1404**	**0.0378**	**1.0900e-003**	**0.0389**		**254.6850**	**254.6850**	**0.0131**		**255.0128**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.7736	1,103.7736	0.3570		1,112.6982
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6693**	**4.7623**	**7.3129**	**0.0114**		**0.2343**	**0.2343**		**0.2155**	**0.2155**	**0.0000**	**1,103.7736**	**1,103.7736**	**0.3570**		**1,112.6982**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0353	0.0206	0.2571	8.7000e-004	0.0986	6.4000e-004	0.0992	0.0262	5.9000e-004	0.0267		86.9805	86.9805	2.1500e-003		87.0343
Total	**0.0478**	**0.4688**	**0.3879**	**2.4200e-003**	**0.1392**	**1.1600e-003**	**0.1404**	**0.0378**	**1.0900e-003**	**0.0389**		**254.6850**	**254.6850**	**0.0131**		**255.0128**

3.8 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	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**12.5555**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0254**	**0.4620**	**0.2267**	**1.8600e-003**	**0.0735**	**7.6000e-004**	**0.0742**	**0.0204**	**7.1000e-004**	**0.0211**		**198.9729**	**198.9729**	**0.0119**		**199.2695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**12.5555**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4546	0.1351	1.5600e-003	0.0406	5.4000e-004	0.0412	0.0117	5.1000e-004	0.0122		168.7902	168.7902	0.0111		169.0674
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0254**	**0.4620**	**0.2267**	**1.8600e-003**	**0.0735**	**7.6000e-004**	**0.0742**	**0.0204**	**7.1000e-004**	**0.0211**		**198.9729**	**198.9729**	**0.0119**		**199.2695**

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**12.5410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0118	6.8700e-003	0.0857	2.9000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		28.9935	28.9935	7.2000e-004		29.0114
Total	**0.0243**	**0.4551**	**0.2166**	**1.8400e-003**	**0.0735**	**7.3000e-004**	**0.0742**	**0.0204**	**7.0000e-004**	**0.0211**		**196.6981**	**196.6981**	**0.0117**		**196.9899**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**12.5410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.4482	0.1309	1.5500e-003	0.0406	5.2000e-004	0.0411	0.0117	5.0000e-004	0.0122		167.7046	167.7046	0.0110		167.9785
Worker	0.0118	6.8700e-003	0.0857	2.9000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		28.9935	28.9935	7.2000e-004		29.0114
Total	**0.0243**	**0.4551**	**0.2166**	**1.8400e-003**	**0.0735**	**7.3000e-004**	**0.0742**	**0.0204**	**7.0000e-004**	**0.0211**		**196.6981**	**196.6981**	**0.0117**		**196.9899**

Alpine Park Project-Construction

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Health club land used was used to represent park amenities that include buidlings.

Trips and VMT - Water trucks included for dust control.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	7320	2570
tblAreaCoating	Area_Nonresidential_Interior	21960	7710
tblConstructionPhase	NumDays	440.00	174.00
tblConstructionPhase	NumDays	440.00	89.00
tblConstructionPhase	NumDays	440.00	175.00
tblConstructionPhase	NumDays	45.00	173.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	20.00	10.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.4350e-003	0.00
tblFleetMix	MCY	5.9380e-003	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	1.0560e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.9340e-003	0.00
tblFleetMix	SBUS	7.5700e-004	0.00
tblFleetMix	UBUS	1.8880e-003	0.00
tblGrading	AcresOfGrading	605.50	112.50
tblGrading	MaterialExported	0.00	45,900.00
tblGrading	MaterialImported	0.00	54,144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	1.94	1.95
tblTripsAndVMT	HaulingTripNumber	12,506.00	1,036.00
tblTripsAndVMT	HaulingTripNumber	0.00	656.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	16.00
tblTripsAndVMT	WorkerTripNumber	23.00	36.00
tblTripsAndVMT	WorkerTripNumber	471.00	12.00
tblTripsAndVMT	WorkerTripNumber	471.00	24.00
tblTripsAndVMT	WorkerTripNumber	471.00	32.00
tblTripsAndVMT	WorkerTripNumber	8.00	12.00
tblTripsAndVMT	WorkerTripNumber	94.00	4.00
tblWater	OutdoorWaterUseRate	26,867,904.43	27,070,456.26

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	6.4848	72.3818	48.5025	0.1245	3.2454	2.8080	6.0534	0.4940	2.5836	3.0776	0.0000	12,179.6403	12,179.6403	3.5613	0.0000	12,268.6727
2023	15.0001	57.0606	52.5634	0.1189	1.6365	2.3485	3.9850	0.3191	2.1786	2.4977	0.0000	11,614.6452	11,614.6452	3.0973	0.0000	11,692.0768
2024	14.8586	21.6325	27.0912	0.0530	0.9092	0.9446	1.8538	0.2380	0.8910	1.1290	0.0000	5,195.6110	5,195.6110	1.0141	0.0000	5,220.9629
Maximum	**15.0001**	**72.3818**	**52.5634**	**0.1245**	**3.2454**	**2.8080**	**6.0534**	**0.4940**	**2.5836**	**3.0776**	**0.0000**	**12,179.6403**	**12,179.6403**	**3.5613**	**0.0000**	**12,268.6727**

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	lb/day										lb/day					
2022	6.4848	72.3818	48.5025	0.1245	1.8048	2.8080	4.6128	0.3363	2.5836	2.9199	0.0000	12,179.6403	12,179.6403	3.5613	0.0000	12,268.6727
2023	15.0001	57.0606	52.5634	0.1189	1.1663	2.3485	3.5147	0.2662	2.1786	2.4447	0.0000	11,614.6452	11,614.6452	3.0973	0.0000	11,692.0768
2024	14.8586	21.6325	27.0912	0.0530	0.9092	0.9446	1.8538	0.2380	0.8910	1.1290	0.0000	5,195.6110	5,195.6110	1.0141	0.0000	5,220.9629
Maximum	**15.0001**	**72.3818**	**52.5634**	**0.1245**	**1.8048**	**2.8080**	**4.6128**	**0.3363**	**2.5836**	**2.9199**	**0.0000**	**12,179.6403**	**12,179.6403**	**3.5613**	**0.0000**	**12,268.6727**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.00**	**0.00**	**16.07**	**20.04**	**0.00**	**3.14**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing/Land Clearing	Site Preparation	10/1/2022	10/15/2022	5	10	
2	Grading/Excavation	Grading	10/1/2022	5/31/2023	5	173	
3	Sewer Line Installation	Building Construction	10/1/2022	6/1/2023	5	174	
4	Drainage/Utilities/Subgrade	Building Construction	5/1/2023	8/31/2023	5	89	
5	Construction	Building Construction	6/1/2023	1/31/2024	5	175	
6	Paving	Paving	11/30/2023	1/31/2024	5	45	
7	Architectural Coating	Architectural Coating	12/14/2023	1/31/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,960; Non-Residential Outdoor: 7,320; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing/Land Clearing	Crawler Tractors	3	8.00	212	0.43
Grubbing/Land Clearing	Excavators	1	8.00	158	0.38
Grading/Excavation	Crawler Tractors	3	8.00	212	0.43
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Rubber Tired Loaders	1	8.00	203	0.36
Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavation	Scrapers	2	8.00	367	0.48
Drainage/Utilities/Subgrade	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Subgrade	Generator Sets	1	8.00	84	0.74

Drainage/Utilities/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Sewer Line Installation	Excavators	1	8.00	158	0.38
Sewer Line Installation	Rollers	1	8.00	80	0.38
Sewer Line Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction	Air Compressors	1	8.00	78	0.48
Construction	Cranes	1	8.00	231	0.29
Construction	Forklifts	3	8.00	89	0.20
Construction	Generator Sets	1	8.00	84	0.74
Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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
Grubbing/Land Clearing	4	16.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	9	36.00	6.00	1,036.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Subgrade	6	24.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Line Installation	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Construction	8	32.00	6.00	656.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Grubbing/Land Clearing - 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	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.6782	19.8005	10.1996	0.0287		0.7661	0.7661		0.7048	0.7048		2,777.1123	2,777.1123	0.8982		2,799.5667
Total	**1.6782**	**19.8005**	**10.1996**	**0.0287**	**1.5908**	**0.7661**	**2.3568**	**0.1718**	**0.7048**	**0.8765**		**2,777.1123**	**2,777.1123**	**0.8982**		**2,799.5667**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.0595	0.0368	0.3702	1.1800e-003	0.1314	8.9000e-004	0.1323	0.0349	8.2000e-004	0.0357		117.8441	117.8441	3.2200e-003		117.9245
Total	**0.0773**	**0.6122**	**0.5343**	**2.7500e-003**	**0.1721**	**2.0400e-003**	**0.1741**	**0.0466**	**1.9200e-003**	**0.0485**		**286.5057**	**286.5057**	**0.0161**		**286.9072**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.6782	19.8005	10.1996	0.0287		0.7661	0.7661		0.7048	0.7048	0.0000	2,777.1123	2,777.1123	0.8982		2,799.5667
Total	**1.6782**	**19.8005**	**10.1996**	**0.0287**	**0.6204**	**0.7661**	**1.3864**	**0.0670**	**0.7048**	**0.7718**	**0.0000**	**2,777.1123**	**2,777.1123**	**0.8982**		**2,799.5667**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.0595	0.0368	0.3702	1.1800e-003	0.1314	8.9000e-004	0.1323	0.0349	8.2000e-004	0.0357		117.8441	117.8441	3.2200e-003		117.9245
Total	**0.0773**	**0.6122**	**0.5343**	**2.7500e-003**	**0.1721**	**2.0400e-003**	**0.1741**	**0.0466**	**1.9200e-003**	**0.0485**		**286.5057**	**286.5057**	**0.0161**		**286.9072**

3.3 Grading/Excavation - 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	lb/day										lb/day					
Fugitive Dust					0.7709	0.0000	0.7709	0.0868	0.0000	0.0868			0.0000			0.0000
Off-Road	3.9390	44.1140	28.5807	0.0710		1.7554	1.7554		1.6149	1.6149		6,878.7072	6,878.7072	2.2247		6,934.3251
Total	**3.9390**	**44.1140**	**28.5807**	**0.0710**	**0.7709**	**1.7554**	**2.5262**	**0.0868**	**1.6149**	**1.7017**		**6,878.7072**	**6,878.7072**	**2.2247**		**6,934.3251**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0429	1.4152	0.3957	4.4700e-003	0.2362	4.0600e-003	0.2403	0.0610	3.8800e-003	0.0649		491.1016	491.1016	0.0457		492.2438
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	**0.1945**	**2.0735**	**1.3927**	**8.7000e-003**	**0.5725**	**7.2100e-003**	**0.5798**	**0.1511**	**6.8200e-003**	**0.1579**		**924.9124**	**924.9124**	**0.0658**		**926.5566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3007	0.0000	0.3007	0.0338	0.0000	0.0338			0.0000			0.0000
Off-Road	3.9390	44.1140	28.5807	0.0710		1.7554	1.7554		1.6149	1.6149	0.0000	6,878.7072	6,878.7072	2.2247		6,934.3250
Total	**3.9390**	**44.1140**	**28.5807**	**0.0710**	**0.3007**	**1.7554**	**2.0560**	**0.0338**	**1.6149**	**1.6488**	**0.0000**	**6,878.7072**	**6,878.7072**	**2.2247**		**6,934.3250**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0429	1.4152	0.3957	4.4700e-003	0.2362	4.0600e-003	0.2403	0.0610	3.8800e-003	0.0649		491.1016	491.1016	0.0457		492.2438
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	**0.1945**	**2.0735**	**1.3927**	**8.7000e-003**	**0.5725**	**7.2100e-003**	**0.5798**	**0.1511**	**6.8200e-003**	**0.1579**		**924.9124**	**924.9124**	**0.0658**		**926.5566**

3.3 Grading/Excavation - 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	lb/day										lb/day					
Fugitive Dust					0.7709	0.0000	0.7709	0.0868	0.0000	0.0868			0.0000			0.0000
Off-Road	3.6703	39.2896	27.8561	0.0710		1.5749	1.5749		1.4489	1.4489		6,876.4237	6,876.4237	2.2240		6,932.0231
Total	**3.6703**	**39.2896**	**27.8561**	**0.0710**	**0.7709**	**1.5749**	**2.3458**	**0.0868**	**1.4489**	**1.5357**		**6,876.4237**	**6,876.4237**	**2.2240**		**6,932.0231**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	0.9722	0.3678	4.3000e-003	0.1523	1.8500e-003	0.1541	0.0404	1.7700e-003	0.0421		474.4570	474.4570	0.0435		475.5450
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.1271	0.0756	0.7720	2.5600e-003	0.2957	1.9600e-003	0.2977	0.0784	1.8000e-003	0.0803		255.0226	255.0226	6.6200e-003		255.1881
Total	**0.1715**	**1.5003**	**1.2880**	**8.3800e-003**	**0.4886**	**4.3800e-003**	**0.4930**	**0.1305**	**4.1100e-003**	**0.1346**		**893.9213**	**893.9213**	**0.0618**		**895.4669**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3007	0.0000	0.3007	0.0338	0.0000	0.0338			0.0000			0.0000
Off-Road	3.6703	39.2896	27.8561	0.0710		1.5749	1.5749		1.4489	1.4489	0.0000	6,876.4237	6,876.4237	2.2240		6,932.0231
Total	**3.6703**	**39.2896**	**27.8561**	**0.0710**	**0.3007**	**1.5749**	**1.8755**	**0.0338**	**1.4489**	**1.4827**	**0.0000**	**6,876.4237**	**6,876.4237**	**2.2240**		**6,932.0231**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	0.9722	0.3678	4.3000e-003	0.1523	1.8500e-003	0.1541	0.0404	1.7700e-003	0.0421		474.4570	474.4570	0.0435		475.5450
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.1271	0.0756	0.7720	2.5600e-003	0.2957	1.9600e-003	0.2977	0.0784	1.8000e-003	0.0803		255.0226	255.0226	6.6200e-003		255.1881
Total	**0.1715**	**1.5003**	**1.2880**	**8.3800e-003**	**0.4886**	**4.3800e-003**	**0.4930**	**0.1305**	**4.1100e-003**	**0.1346**		**893.9213**	**893.9213**	**0.0618**		**895.4669**

3.4 Sewer Line Installation - 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	lb/day										lb/day					
Off-Road	0.5334	5.1785	7.3534	0.0109		0.2755	0.2755		0.2535	0.2535		1,055.3580	1,055.3580	0.3413		1,063.8911
Total	**0.5334**	**5.1785**	**7.3534**	**0.0109**		**0.2755**	**0.2755**		**0.2535**	**0.2535**		**1,055.3580**	**1,055.3580**	**0.3413**		**1,063.8911**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.0446	0.0276	0.2776	8.9000e-004	0.0986	6.7000e-004	0.0992	0.0262	6.1000e-004	0.0268		88.3831	88.3831	2.4100e-003		88.4434
Total	**0.0624**	**0.6030**	**0.4418**	**2.4600e-003**	**0.1392**	**1.8200e-003**	**0.1410**	**0.0378**	**1.7100e-003**	**0.0396**		**257.0446**	**257.0446**	**0.0153**		**257.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5334	5.1785	7.3534	0.0109		0.2755	0.2755		0.2535	0.2535	0.0000	1,055.3580	1,055.3580	0.3413		1,063.8911
Total	**0.5334**	**5.1785**	**7.3534**	**0.0109**		**0.2755**	**0.2755**		**0.2535**	**0.2535**	**0.0000**	**1,055.3580**	**1,055.3580**	**0.3413**		**1,063.8911**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0178	0.5754	0.1642	1.5700e-003	0.0406	1.1500e-003	0.0418	0.0117	1.1000e-003	0.0128		168.6616	168.6616	0.0128		168.9826
Worker	0.0446	0.0276	0.2776	8.9000e-004	0.0986	6.7000e-004	0.0992	0.0262	6.1000e-004	0.0268		88.3831	88.3831	2.4100e-003		88.4434
Total	**0.0624**	**0.6030**	**0.4418**	**2.4600e-003**	**0.1392**	**1.8200e-003**	**0.1410**	**0.0378**	**1.7100e-003**	**0.0396**		**257.0446**	**257.0446**	**0.0153**		**257.4260**

3.4 Sewer Line Installation - 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	lb/day										lb/day					
Off-Road	0.4938	4.6944	7.3413	0.0109		0.2402	0.2402		0.2210	0.2210		1,055.7898	1,055.7898	0.3415		1,064.3264
Total	**0.4938**	**4.6944**	**7.3413**	**0.0109**		**0.2402**	**0.2402**		**0.2210**	**0.2210**		**1,055.7898**	**1,055.7898**	**0.3415**		**1,064.3264**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0424	0.0252	0.2573	8.5000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		85.0075	85.0075	2.2100e-003		85.0627
Total	**0.0561**	**0.4777**	**0.4056**	**2.3700e-003**	**0.1392**	**1.2200e-003**	**0.1404**	**0.0378**	**1.1400e-003**	**0.0390**		**249.4491**	**249.4491**	**0.0139**		**249.7965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4938	4.6944	7.3413	0.0109		0.2402	0.2402		0.2210	0.2210	0.0000	1,055.7898	1,055.7898	0.3415		1,064.3264
Total	**0.4938**	**4.6944**	**7.3413**	**0.0109**		**0.2402**	**0.2402**		**0.2210**	**0.2210**	**0.0000**	**1,055.7898**	**1,055.7898**	**0.3415**		**1,064.3264**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0424	0.0252	0.2573	8.5000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		85.0075	85.0075	2.2100e-003		85.0627
Total	**0.0561**	**0.4777**	**0.4056**	**2.3700e-003**	**0.1392**	**1.2200e-003**	**0.1404**	**0.0378**	**1.1400e-003**	**0.0390**		**249.4491**	**249.4491**	**0.0139**		**249.7965**

3.5 Drainage/Utilities/Subgrade - 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	lb/day										lb/day					
Off-Road	1.1669	10.5956	15.0095	0.0230		0.5260	0.5260		0.5017	0.5017		2,204.6046	2,204.6046	0.4400		2,215.6047
Total	**1.1669**	**10.5956**	**15.0095**	**0.0230**		**0.5260**	**0.5260**		**0.5017**	**0.5017**		**2,204.6046**	**2,204.6046**	**0.4400**		**2,215.6047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0847	0.0504	0.5147	1.7100e-003	0.1972	1.3100e-003	0.1985	0.0523	1.2000e-003	0.0535		170.0151	170.0151	4.4100e-003		170.1254
Total	**0.0984**	**0.5029**	**0.6629**	**3.2300e-003**	**0.2378**	**1.8800e-003**	**0.2396**	**0.0640**	**1.7400e-003**	**0.0657**		**334.4567**	**334.4567**	**0.0161**		**334.8592**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1669	10.5956	15.0095	0.0230		0.5260	0.5260		0.5017	0.5017	0.0000	2,204.6046	2,204.6046	0.4400		2,215.6047
Total	**1.1669**	**10.5956**	**15.0095**	**0.0230**		**0.5260**	**0.5260**		**0.5017**	**0.5017**	**0.0000**	**2,204.6046**	**2,204.6046**	**0.4400**		**2,215.6047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0847	0.0504	0.5147	1.7100e-003	0.1972	1.3100e-003	0.1985	0.0523	1.2000e-003	0.0535		170.0151	170.0151	4.4100e-003		170.1254
Total	**0.0984**	**0.5029**	**0.6629**	**3.2300e-003**	**0.2378**	**1.8800e-003**	**0.2396**	**0.0640**	**1.7400e-003**	**0.0657**		**334.4567**	**334.4567**	**0.0161**		**334.8592**

3.6 Construction - 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	lb/day										lb/day					
Off-Road	1.5232	14.2188	15.8156	0.0271		0.7116	0.7116		0.6725	0.6725		2,604.3634	2,604.3634	0.5693		2,618.5957
Total	**1.5232**	**14.2188**	**15.8156**	**0.0271**		**0.7116**	**0.7116**		**0.6725**	**0.6725**		**2,604.3634**	**2,604.3634**	**0.5693**		**2,618.5957**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0192	0.6085	0.2302	2.6900e-003	0.0730	1.1600e-003	0.0742	0.0198	1.1100e-003	0.0209		296.9949	296.9949	0.0272		297.6760
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.1129	0.0672	0.6862	2.2700e-003	0.2629	1.7400e-003	0.2646	0.0697	1.6000e-003	0.0713		226.6868	226.6868	5.8800e-003		226.8338
Total	**0.1459**	**1.1282**	**1.0647**	**6.4800e-003**	**0.3765**	**3.4700e-003**	**0.3800**	**0.1012**	**3.2500e-003**	**0.1045**		**688.1233**	**688.1233**	**0.0448**		**689.2436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5232	14.2188	15.8156	0.0271		0.7116	0.7116		0.6725	0.6725	0.0000	2,604.3634	2,604.3634	0.5693		2,618.5957
Total	**1.5232**	**14.2188**	**15.8156**	**0.0271**		**0.7116**	**0.7116**		**0.6725**	**0.6725**	**0.0000**	**2,604.3634**	**2,604.3634**	**0.5693**		**2,618.5957**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0192	0.6085	0.2302	2.6900e-003	0.0730	1.1600e-003	0.0742	0.0198	1.1100e-003	0.0209		296.9949	296.9949	0.0272		297.6760
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.1129	0.0672	0.6862	2.2700e-003	0.2629	1.7400e-003	0.2646	0.0697	1.6000e-003	0.0713		226.6868	226.6868	5.8800e-003		226.8338
Total	**0.1459**	**1.1282**	**1.0647**	**6.4800e-003**	**0.3765**	**3.4700e-003**	**0.3800**	**0.1012**	**3.2500e-003**	**0.1045**		**688.1233**	**688.1233**	**0.0448**		**689.2436**

3.6 Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4283	13.2210	15.7412	0.0271		0.6238	0.6238		0.5892	0.5892		2,604.7319	2,604.7319	0.5659		2,618.8794
Total	**1.4283**	**13.2210**	**15.7412**	**0.0271**		**0.6238**	**0.6238**		**0.5892**	**0.5892**		**2,604.7319**	**2,604.7319**	**0.5659**		**2,618.8794**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0189	0.5931	0.2321	2.6700e-003	0.3930	1.1300e-003	0.3942	0.0983	1.0800e-003	0.0994		294.9533	294.9533	0.0274		295.6370
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.1076	0.0616	0.6406	2.1800e-003	0.2629	1.7100e-003	0.2646	0.0697	1.5700e-003	0.0713		217.7638	217.7638	5.4000e-003		217.8988
Total	**0.1397**	**1.1010**	**1.0162**	**6.3600e-003**	**0.6965**	**3.3900e-003**	**0.6999**	**0.1798**	**3.1700e-003**	**0.1830**		**676.1312**	**676.1312**	**0.0443**		**677.2384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4283	13.2210	15.7412	0.0271		0.6238	0.6238		0.5892	0.5892	0.0000	2,604.7319	2,604.7319	0.5659		2,618.8794
Total	**1.4283**	**13.2210**	**15.7412**	**0.0271**		**0.6238**	**0.6238**		**0.5892**	**0.5892**	**0.0000**	**2,604.7319**	**2,604.7319**	**0.5659**		**2,618.8794**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0189	0.5931	0.2321	2.6700e-003	0.3930	1.1300e-003	0.3942	0.0983	1.0800e-003	0.0994		294.9533	294.9533	0.0274		295.6370
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.1076	0.0616	0.6406	2.1800e-003	0.2629	1.7100e-003	0.2646	0.0697	1.5700e-003	0.0713		217.7638	217.7638	5.4000e-003		217.8988
Total	**0.1397**	**1.1010**	**1.0162**	**6.3600e-003**	**0.6965**	**3.3900e-003**	**0.6999**	**0.1798**	**3.1700e-003**	**0.1830**		**676.1312**	**676.1312**	**0.0443**		**677.2384**

3.7 Paving - 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	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6916**	**5.0958**	**7.2921**	**0.0114**		**0.2551**	**0.2551**		**0.2347**	**0.2347**		**1,103.7921**	**1,103.7921**	**0.3570**		**1,112.7168**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0424	0.0252	0.2573	8.5000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		85.0075	85.0075	2.2100e-003		85.0627
Total	**0.0561**	**0.4777**	**0.4056**	**2.3700e-003**	**0.1392**	**1.2200e-003**	**0.1404**	**0.0378**	**1.1400e-003**	**0.0390**		**249.4491**	**249.4491**	**0.0139**		**249.7965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6916**	**5.0958**	**7.2921**	**0.0114**		**0.2551**	**0.2551**		**0.2347**	**0.2347**	**0.0000**	**1,103.7921**	**1,103.7921**	**0.3570**		**1,112.7168**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0424	0.0252	0.2573	8.5000e-004	0.0986	6.5000e-004	0.0992	0.0262	6.0000e-004	0.0268		85.0075	85.0075	2.2100e-003		85.0627
Total	**0.0561**	**0.4777**	**0.4056**	**2.3700e-003**	**0.1392**	**1.2200e-003**	**0.1404**	**0.0378**	**1.1400e-003**	**0.0390**		**249.4491**	**249.4491**	**0.0139**		**249.7965**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155		1,103.7736	1,103.7736	0.3570		1,112.6982
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6693**	**4.7623**	**7.3129**	**0.0114**		**0.2343**	**0.2343**		**0.2155**	**0.2155**		**1,103.7736**	**1,103.7736**	**0.3570**		**1,112.6982**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.0404	0.0231	0.2402	8.2000e-004	0.0986	6.4000e-004	0.0992	0.0262	5.9000e-004	0.0267		81.6614	81.6614	2.0300e-003		81.7121
Total	**0.0536**	**0.4693**	**0.3838**	**2.3300e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**245.0756**	**245.0756**	**0.0136**		**245.4146**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.7736	1,103.7736	0.3570		1,112.6982
Paving	0.1753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6693**	**4.7623**	**7.3129**	**0.0114**		**0.2343**	**0.2343**		**0.2155**	**0.2155**	**0.0000**	**1,103.7736**	**1,103.7736**	**0.3570**		**1,112.6982**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.0404	0.0231	0.2402	8.2000e-004	0.0986	6.4000e-004	0.0992	0.0262	5.9000e-004	0.0267		81.6614	81.6614	2.0300e-003		81.7121
Total	**0.0536**	**0.4693**	**0.3838**	**2.3300e-003**	**0.1392**	**1.1900e-003**	**0.1404**	**0.0378**	**1.1100e-003**	**0.0390**		**245.0756**	**245.0756**	**0.0136**		**245.4146**

3.8 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	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**12.5555**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0279**	**0.4609**	**0.2341**	**1.8000e-003**	**0.0735**	**7.9000e-004**	**0.0743**	**0.0204**	**7.4000e-004**	**0.0212**		**192.7775**	**192.7775**	**0.0124**		**193.0881**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**12.5555**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0137	0.4525	0.1483	1.5200e-003	0.0406	5.7000e-004	0.0412	0.0117	5.4000e-004	0.0122		164.4416	164.4416	0.0117		164.7338
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0279**	**0.4609**	**0.2341**	**1.8000e-003**	**0.0735**	**7.9000e-004**	**0.0743**	**0.0204**	**7.4000e-004**	**0.0212**		**192.7775**	**192.7775**	**0.0124**		**193.0881**

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**12.5410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.0135	7.7000e-003	0.0801	2.7000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		27.2205	27.2205	6.8000e-004		27.2374
Total	**0.0267**	**0.4539**	**0.2236**	**1.7800e-003**	**0.0735**	**7.6000e-004**	**0.0742**	**0.0204**	**7.2000e-004**	**0.0211**		**190.6346**	**190.6346**	**0.0122**		**190.9399**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**12.5410**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0132	0.4462	0.1436	1.5100e-003	0.0406	5.5000e-004	0.0412	0.0117	5.2000e-004	0.0122		163.4141	163.4141	0.0115		163.7026
Worker	0.0135	7.7000e-003	0.0801	2.7000e-004	0.0329	2.1000e-004	0.0331	8.7200e-003	2.0000e-004	8.9100e-003		27.2205	27.2205	6.8000e-004		27.2374
Total	**0.0267**	**0.4539**	**0.2236**	**1.7800e-003**	**0.0735**	**7.6000e-004**	**0.0742**	**0.0204**	**7.2000e-004**	**0.0211**		**190.6346**	**190.6346**	**0.0122**		**190.9399**

Construction Emissions

Construction Year	$MTCO_2e$/year
2022	285
2023	798
2024	55
Total	**1,137**
30-year Amortization	**38**

Alpine Park Project-Construction

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Health club land used was used to represent park amenities that include buidlings.

Trips and VMT - Water trucks included for dust control.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	7320	2570
tblAreaCoating	Area_Nonresidential_Interior	21960	7710
tblConstructionPhase	NumDays	440.00	174.00
tblConstructionPhase	NumDays	440.00	89.00
tblConstructionPhase	NumDays	440.00	175.00
tblConstructionPhase	NumDays	45.00	173.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	20.00	10.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.4350e-003	0.00
tblFleetMix	MCY	5.9380e-003	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	1.0560e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.9340e-003	0.00
tblFleetMix	SBUS	7.5700e-004	0.00
tblFleetMix	UBUS	1.8880e-003	0.00
tblGrading	AcresOfGrading	605.50	112.50
tblGrading	MaterialExported	0.00	45,900.00
tblGrading	MaterialImported	0.00	54,144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	1.94	1.95
tblTripsAndVMT	HaulingTripNumber	12,506.00	1,036.00
tblTripsAndVMT	HaulingTripNumber	0.00	656.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	184.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	16.00
tblTripsAndVMT	WorkerTripNumber	23.00	36.00
tblTripsAndVMT	WorkerTripNumber	471.00	12.00
tblTripsAndVMT	WorkerTripNumber	471.00	24.00
tblTripsAndVMT	WorkerTripNumber	471.00	32.00
tblTripsAndVMT	WorkerTripNumber	8.00	12.00
tblTripsAndVMT	WorkerTripNumber	94.00	4.00
tblWater	OutdoorWaterUseRate	26,867,904.43	27,070,456.26

2.0 Emissions Summary

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					
2022	0.1617	1.7920	1.2802	3.1900e-003	0.0981	0.0701	0.1682	0.0146	0.0645	0.0791	0.0000	283.0933	283.0933	0.0821	0.0000	285.1469
2023	0.5016	4.2213	4.0748	8.9300e-003	0.1401	0.1797	0.3198	0.0273	0.1675	0.1948	0.0000	792.7016	792.7016	0.1941	0.0000	797.5532
2024	0.1706	0.2490	0.3113	6.1000e-004	0.0102	0.0109	0.0211	2.6700e-003	0.0103	0.0129	0.0000	54.3472	54.3472	0.0106	0.0000	54.6113
Maximum	**0.5016**	**4.2213**	**4.0748**	**8.9300e-003**	**0.1401**	**0.1797**	**0.3198**	**0.0273**	**0.1675**	**0.1948**	**0.0000**	**792.7016**	**792.7016**	**0.1941**	**0.0000**	**797.5532**

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					
2022	0.1617	1.7920	1.2802	3.1900e-003	0.0525	0.0701	0.1227	9.5000e-003	0.0645	0.0740	0.0000	283.0930	283.0930	0.0821	0.0000	285.1466
2023	0.5016	4.2213	4.0748	8.9300e-003	0.0994	0.1797	0.2791	0.0227	0.1675	0.1902	0.0000	792.7008	792.7008	0.1941	0.0000	797.5524
2024	0.1706	0.2490	0.3113	6.1000e-004	0.0102	0.0109	0.0211	2.6700e-003	0.0103	0.0129	0.0000	54.3471	54.3471	0.0106	0.0000	54.6113
Maximum	**0.5016**	**4.2213**	**4.0748**	**8.9300e-003**	**0.0994**	**0.1797**	**0.2791**	**0.0227**	**0.1675**	**0.1902**	**0.0000**	**792.7008**	**792.7008**	**0.1941**	**0.0000**	**797.5524**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.71**	**0.00**	**16.94**	**21.73**	**0.00**	**3.38**	**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)
3	**7-3-2022**	**10-2-2022**	0.0563	0.0563
4	**10-3-2022**	**1-2-2023**	1.9613	1.9613
5	**1-3-2023**	**4-2-2023**	1.6185	1.6185
6	**4-3-2023**	**7-2-2023**	1.5344	1.5344
7	**7-3-2023**	**10-2-2023**	0.8230	0.8230
8	**10-3-2023**	**1-2-2024**	0.7403	0.7403
9	**1-3-2024**	**4-2-2024**	0.3779	0.3779
		Highest	1.9613	1.9613

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing/Land Clearing	Site Preparation	10/1/2022	10/15/2022	5	10	
2	Grading/Excavation	Grading	10/1/2022	5/31/2023	5	173	
3	Sewer Line Installation	Building Construction	10/1/2022	6/1/2023	5	174	
4	Drainage/Utilities/Subgrade	Building Construction	5/1/2023	8/31/2023	5	89	
5	Construction	Building Construction	6/1/2023	1/31/2024	5	175	
6	Paving	Paving	11/30/2023	1/31/2024	5	45	
7	Architectural Coating	Architectural Coating	12/14/2023	1/31/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,960; Non-Residential Outdoor: 7,320; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing/Land Clearing	Crawler Tractors	3	8.00	212	0.43
Grubbing/Land Clearing	Excavators	1	8.00	158	0.38
Grading/Excavation	Crawler Tractors	3	8.00	212	0.43
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Rubber Tired Loaders	1	8.00	203	0.36
Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavation	Scrapers	2	8.00	367	0.48
Drainage/Utilities/Subgrade	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Subgrade	Generator Sets	1	8.00	84	0.74
Drainage/Utilities/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Sewer Line Installation	Excavators	1	8.00	158	0.38
Sewer Line Installation	Rollers	1	8.00	80	0.38
Sewer Line Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction	Air Compressors	1	8.00	78	0.48
Construction	Cranes	1	8.00	231	0.29
Construction	Forklifts	3	8.00	89	0.20
Construction	Generator Sets	1	8.00	84	0.74
Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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
Grubbing/Land Clearing	4	16.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	9	36.00	6.00	1,036.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	6	24.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Line Installation	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Construction	8	32.00	6.00	656.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	12.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Grubbing/Land Clearing - 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					
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3900e-003	0.0990	0.0510	1.4000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	12.5968	12.5968	4.0700e-003	0.0000	12.6986
Total	**8.3900e-003**	**0.0990**	**0.0510**	**1.4000e-004**	**7.9500e-003**	**3.8300e-003**	**0.0118**	**8.6000e-004**	**3.5200e-003**	**4.3800e-003**	**0.0000**	**12.5968**	**12.5968**	**4.0700e-003**	**0.0000**	**12.6986**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.9100e-003	7.8000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7769	0.7769	6.0000e-005	0.0000	0.7783
Worker	2.6000e-004	1.8000e-004	1.8600e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5399	0.5399	1.0000e-005	0.0000	0.5402
Total	**3.5000e-004**	**3.0900e-003**	**2.6400e-003**	**2.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**2.3000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**1.3168**	**1.3168**	**7.0000e-005**	**0.0000**	**1.3185**

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					3.1000e-003	0.0000	3.1000e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3900e-003	0.0990	0.0510	1.4000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	12.5968	12.5968	4.0700e-003	0.0000	12.6986
Total	**8.3900e-003**	**0.0990**	**0.0510**	**1.4000e-004**	**3.1000e-003**	**3.8300e-003**	**6.9300e-003**	**3.3000e-004**	**3.5200e-003**	**3.8500e-003**	**0.0000**	**12.5968**	**12.5968**	**4.0700e-003**	**0.0000**	**12.6986**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.9100e-003	7.8000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7769	0.7769	6.0000e-005	0.0000	0.7783
Worker	2.6000e-004	1.8000e-004	1.8600e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5399	0.5399	1.0000e-005	0.0000	0.5402
Total	**3.5000e-004**	**3.0900e-003**	**2.6400e-003**	**2.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**2.3000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**1.3168**	**1.3168**	**7.0000e-005**	**0.0000**	**1.3185**

3.3 Grading/Excavation - 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					
Fugitive Dust					0.0667	0.0000	0.0667	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1280	1.4337	0.9289	2.3100e-003		0.0571	0.0571		0.0525	0.0525	0.0000	202.8084	202.8084	0.0656	0.0000	204.4482
Total	**0.1280**	**1.4337**	**0.9289**	**2.3100e-003**	**0.0667**	**0.0571**	**0.1237**	**7.5100e-003**	**0.0525**	**0.0600**	**0.0000**	**202.8084**	**202.8084**	**0.0656**	**0.0000**	**204.4482**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3700e-003	0.0465	0.0125	1.5000e-004	7.4900e-003	1.3000e-004	7.6200e-003	1.9400e-003	1.2000e-004	2.0600e-003	0.0000	14.6286	14.6286	1.3200e-003	0.0000	14.6617
Vendor	5.6000e-004	0.0189	5.0600e-003	5.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	3.0000e-005	4.1000e-004	0.0000	5.0498	5.0498	3.7000e-004	0.0000	5.0590
Worker	3.8500e-003	2.6500e-003	0.0271	9.0000e-005	9.3800e-003	6.0000e-005	9.4500e-003	2.4900e-003	6.0000e-005	2.5500e-003	0.0000	7.8957	7.8957	2.2000e-004	0.0000	7.9010
Total	**5.7800e-003**	**0.0680**	**0.0447**	**2.9000e-004**	**0.0182**	**2.3000e-004**	**0.0184**	**4.8000e-003**	**2.1000e-004**	**5.0200e-003**	**0.0000**	**27.5740**	**27.5740**	**1.9100e-003**	**0.0000**	**27.6217**

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					0.0260	0.0000	0.0260	2.9300e-003	0.0000	2.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1280	1.4337	0.9289	2.3100e-003		0.0571	0.0571		0.0525	0.0525	0.0000	202.8082	202.8082	0.0656	0.0000	204.4480
Total	**0.1280**	**1.4337**	**0.9289**	**2.3100e-003**	**0.0260**	**0.0571**	**0.0831**	**2.9300e-003**	**0.0525**	**0.0554**	**0.0000**	**202.8082**	**202.8082**	**0.0656**	**0.0000**	**204.4480**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3700e-003	0.0465	0.0125	1.5000e-004	7.4900e-003	1.3000e-004	7.6200e-003	1.9400e-003	1.2000e-004	2.0600e-003	0.0000	14.6286	14.6286	1.3200e-003	0.0000	14.6617
Vendor	5.6000e-004	0.0189	5.0600e-003	5.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	3.0000e-005	4.1000e-004	0.0000	5.0498	5.0498	3.7000e-004	0.0000	5.0590
Worker	3.8500e-003	2.6500e-003	0.0271	9.0000e-005	9.3800e-003	6.0000e-005	9.4500e-003	2.4900e-003	6.0000e-005	2.5500e-003	0.0000	7.8957	7.8957	2.2000e-004	0.0000	7.9010
Total	**5.7800e-003**	**0.0680**	**0.0447**	**2.9000e-004**	**0.0182**	**2.3000e-004**	**0.0184**	**4.8000e-003**	**2.1000e-004**	**5.0200e-003**	**0.0000**	**27.5740**	**27.5740**	**1.9100e-003**	**0.0000**	**27.6217**

3.3 Grading/Excavation - 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					
Fugitive Dust					0.0667	0.0000	0.0667	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1982	2.1216	1.5042	3.8400e-003		0.0850	0.0850		0.0782	0.0782	0.0000	336.8621	336.8621	0.1090	0.0000	339.5858
Total	**0.1982**	**2.1216**	**1.5042**	**3.8400e-003**	**0.0667**	**0.0850**	**0.1517**	**7.5100e-003**	**0.0782**	**0.0858**	**0.0000**	**336.8621**	**336.8621**	**0.1090**	**0.0000**	**339.5858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6300e-003	0.0531	0.0194	2.3000e-004	8.0400e-003	1.0000e-004	8.1300e-003	2.1300e-003	9.0000e-005	2.2300e-003	0.0000	23.4817	23.4817	2.1000e-003	0.0000	23.5342
Vendor	7.2000e-004	0.0247	7.6600e-003	8.0000e-005	2.1500e-003	3.0000e-005	2.1800e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	8.1792	8.1792	5.6000e-004	0.0000	8.1931
Worker	6.0600e-003	4.0100e-003	0.0418	1.4000e-004	0.0156	1.1000e-004	0.0157	4.1400e-003	1.0000e-004	4.2400e-003	0.0000	12.6178	12.6178	3.3000e-004	0.0000	12.6260
Total	**8.4100e-003**	**0.0818**	**0.0689**	**4.5000e-004**	**0.0258**	**2.4000e-004**	**0.0260**	**6.8900e-003**	**2.2000e-004**	**7.1200e-003**	**0.0000**	**44.2788**	**44.2788**	**2.9900e-003**	**0.0000**	**44.3534**

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					0.0260	0.0000	0.0260	2.9300e-003	0.0000	2.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1982	2.1216	1.5042	3.8400e-003		0.0850	0.0850		0.0782	0.0782	0.0000	336.8617	336.8617	0.1090	0.0000	339.5854
Total	**0.1982**	**2.1216**	**1.5042**	**3.8400e-003**	**0.0260**	**0.0850**	**0.1111**	**2.9300e-003**	**0.0782**	**0.0812**	**0.0000**	**336.8617**	**336.8617**	**0.1090**	**0.0000**	**339.5854**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6300e-003	0.0531	0.0194	2.3000e-004	8.0400e-003	1.0000e-004	8.1300e-003	2.1300e-003	9.0000e-005	2.2300e-003	0.0000	23.4817	23.4817	2.1000e-003	0.0000	23.5342
Vendor	7.2000e-004	0.0247	7.6600e-003	8.0000e-005	2.1500e-003	3.0000e-005	2.1800e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	8.1792	8.1792	5.6000e-004	0.0000	8.1931
Worker	6.0600e-003	4.0100e-003	0.0418	1.4000e-004	0.0156	1.1000e-004	0.0157	4.1400e-003	1.0000e-004	4.2400e-003	0.0000	12.6178	12.6178	3.3000e-004	0.0000	12.6260
Total	**8.4100e-003**	**0.0818**	**0.0689**	**4.5000e-004**	**0.0258**	**2.4000e-004**	**0.0260**	**6.8900e-003**	**2.2000e-004**	**7.1200e-003**	**0.0000**	**44.2788**	**44.2788**	**2.9900e-003**	**0.0000**	**44.3534**

3.4 Sewer Line Installation - 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	0.0173	0.1683	0.2390	3.5000e-004		8.9500e-003	8.9500e-003		8.2400e-003	8.2400e-003	0.0000	31.1157	31.1157	0.0101	0.0000	31.3672
Total	**0.0173**	**0.1683**	**0.2390**	**3.5000e-004**		**8.9500e-003**	**8.9500e-003**		**8.2400e-003**	**8.2400e-003**	**0.0000**	**31.1157**	**31.1157**	**0.0101**	**0.0000**	**31.3672**

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	5.6000e-004	0.0189	5.0600e-003	5.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	3.0000e-005	4.1000e-004	0.0000	5.0498	5.0498	3.7000e-004	0.0000	5.0590
Worker	1.2800e-003	8.8000e-004	9.0500e-003	3.0000e-005	3.1300e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.6319	2.6319	7.0000e-005	0.0000	2.6337
Total	**1.8400e-003**	**0.0198**	**0.0141**	**8.0000e-005**	**4.4200e-003**	**6.0000e-005**	**4.4800e-003**	**1.2000e-003**	**5.0000e-005**	**1.2600e-003**	**0.0000**	**7.6817**	**7.6817**	**4.4000e-004**	**0.0000**	**7.6927**

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	0.0173	0.1683	0.2390	3.5000e-004		8.9500e-003	8.9500e-003		8.2400e-003	8.2400e-003	0.0000	31.1156	31.1156	0.0101	0.0000	31.3672
Total	**0.0173**	**0.1683**	**0.2390**	**3.5000e-004**		**8.9500e-003**	**8.9500e-003**		**8.2400e-003**	**8.2400e-003**	**0.0000**	**31.1156**	**31.1156**	**0.0101**	**0.0000**	**31.3672**

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	5.6000e-004	0.0189	5.0600e-003	5.0000e-005	1.2900e-003	4.0000e-005	1.3300e-003	3.7000e-004	3.0000e-005	4.1000e-004	0.0000	5.0498	5.0498	3.7000e-004	0.0000	5.0590
Worker	1.2800e-003	8.8000e-004	9.0500e-003	3.0000e-005	3.1300e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.6319	2.6319	7.0000e-005	0.0000	2.6337
Total	**1.8400e-003**	**0.0198**	**0.0141**	**8.0000e-005**	**4.4200e-003**	**6.0000e-005**	**4.4800e-003**	**1.2000e-003**	**5.0000e-005**	**1.2600e-003**	**0.0000**	**7.6817**	**7.6817**	**4.4000e-004**	**0.0000**	**7.6927**

3.4 Sewer Line Installation - 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					
Off-Road	0.0269	0.2559	0.4001	5.9000e-004		0.0131	0.0131		0.0120	0.0120	0.0000	52.1999	52.1999	0.0169	0.0000	52.6220
Total	**0.0269**	**0.2559**	**0.4001**	**5.9000e-004**		**0.0131**	**0.0131**		**0.0120**	**0.0120**	**0.0000**	**52.1999**	**52.1999**	**0.0169**	**0.0000**	**52.6220**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3000e-004	0.0249	7.7300e-003	8.0000e-005	2.1700e-003	3.0000e-005	2.2000e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	8.2550	8.2550	5.6000e-004	0.0000	8.2690
Worker	2.0400e-003	1.3500e-003	0.0141	5.0000e-005	5.2400e-003	4.0000e-005	5.2800e-003	1.3900e-003	3.0000e-005	1.4300e-003	0.0000	4.2449	4.2449	1.1000e-004	0.0000	4.2476
Total	**2.7700e-003**	**0.0263**	**0.0218**	**1.3000e-004**	**7.4100e-003**	**7.0000e-005**	**7.4800e-003**	**2.0200e-003**	**6.0000e-005**	**2.0900e-003**	**0.0000**	**12.4998**	**12.4998**	**6.7000e-004**	**0.0000**	**12.5166**

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	0.0269	0.2559	0.4001	5.9000e-004		0.0131	0.0131		0.0120	0.0120	0.0000	52.1998	52.1998	0.0169	0.0000	52.6219
Total	**0.0269**	**0.2559**	**0.4001**	**5.9000e-004**		**0.0131**	**0.0131**		**0.0120**	**0.0120**	**0.0000**	**52.1998**	**52.1998**	**0.0169**	**0.0000**	**52.6219**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3000e-004	0.0249	7.7300e-003	8.0000e-005	2.1700e-003	3.0000e-005	2.2000e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	8.2550	8.2550	5.6000e-004	0.0000	8.2690
Worker	2.0400e-003	1.3500e-003	0.0141	5.0000e-005	5.2400e-003	4.0000e-005	5.2800e-003	1.3900e-003	3.0000e-005	1.4300e-003	0.0000	4.2449	4.2449	1.1000e-004	0.0000	4.2476
Total	**2.7700e-003**	**0.0263**	**0.0218**	**1.3000e-004**	**7.4100e-003**	**7.0000e-005**	**7.4800e-003**	**2.0200e-003**	**6.0000e-005**	**2.0900e-003**	**0.0000**	**12.4998**	**12.4998**	**6.7000e-004**	**0.0000**	**12.5166**

3.5 Drainage/Utilities/Subgrade - 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					
Off-Road	0.0519	0.4715	0.6679	1.0200e-003		0.0234	0.0234		0.0223	0.0223	0.0000	88.9993	88.9993	0.0178	0.0000	89.4433
Total	**0.0519**	**0.4715**	**0.6679**	**1.0200e-003**		**0.0234**	**0.0234**		**0.0223**	**0.0223**	**0.0000**	**88.9993**	**88.9993**	**0.0178**	**0.0000**	**89.4433**

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	5.9000e-004	0.0204	6.3100e-003	7.0000e-005	1.7700e-003	2.0000e-005	1.8000e-003	5.1000e-004	2.0000e-005	5.3000e-004	0.0000	6.7403	6.7403	4.6000e-004	0.0000	6.7517
Worker	3.3300e-003	2.2000e-003	0.0230	8.0000e-005	8.5600e-003	6.0000e-005	8.6200e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	6.9320	6.9320	1.8000e-004	0.0000	6.9365
Total	**3.9200e-003**	**0.0226**	**0.0293**	**1.5000e-004**	**0.0103**	**8.0000e-005**	**0.0104**	**2.7900e-003**	**7.0000e-005**	**2.8600e-003**	**0.0000**	**13.6723**	**13.6723**	**6.4000e-004**	**0.0000**	**13.6883**

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	0.0519	0.4715	0.6679	1.0200e-003		0.0234	0.0234		0.0223	0.0223	0.0000	88.9992	88.9992	0.0178	0.0000	89.4432
Total	**0.0519**	**0.4715**	**0.6679**	**1.0200e-003**		**0.0234**	**0.0234**		**0.0223**	**0.0223**	**0.0000**	**88.9992**	**88.9992**	**0.0178**	**0.0000**	**89.4432**

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	5.9000e-004	0.0204	6.3100e-003	7.0000e-005	1.7700e-003	2.0000e-005	1.8000e-003	5.1000e-004	2.0000e-005	5.3000e-004	0.0000	6.7403	6.7403	4.6000e-004	0.0000	6.7517
Worker	3.3300e-003	2.2000e-003	0.0230	8.0000e-005	8.5600e-003	6.0000e-005	8.6200e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	6.9320	6.9320	1.8000e-004	0.0000	6.9365
Total	**3.9200e-003**	**0.0226**	**0.0293**	**1.5000e-004**	**0.0103**	**8.0000e-005**	**0.0104**	**2.7900e-003**	**7.0000e-005**	**2.8600e-003**	**0.0000**	**13.6723**	**13.6723**	**6.4000e-004**	**0.0000**	**13.6883**

3.6 Construction - 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					
Off-Road	0.1158	1.0806	1.2020	2.0600e-003		0.0541	0.0541		0.0511	0.0511	0.0000	179.5605	179.5605	0.0393	0.0000	180.5418
Total	**0.1158**	**1.0806**	**1.2020**	**2.0600e-003**		**0.0541**	**0.0541**		**0.0511**	**0.0511**	**0.0000**	**179.5605**	**179.5605**	**0.0393**	**0.0000**	**180.5418**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4400e-003	0.0467	0.0171	2.1000e-004	5.4300e-003	9.0000e-005	5.5200e-003	1.4700e-003	8.0000e-005	1.5600e-003	0.0000	20.6872	20.6872	1.8500e-003	0.0000	20.7335
Vendor	1.0100e-003	0.0348	0.0108	1.2000e-004	3.0300e-003	4.0000e-005	3.0700e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	11.5115	11.5115	7.8000e-004	0.0000	11.5311
Worker	7.5800e-003	5.0200e-003	0.0523	1.7000e-004	0.0195	1.3000e-004	0.0196	5.1800e-003	1.2000e-004	5.3000e-003	0.0000	15.7853	15.7853	4.1000e-004	0.0000	15.7955
Total	**0.0100**	**0.0865**	**0.0802**	**5.0000e-004**	**0.0280**	**2.6000e-004**	**0.0282**	**7.5200e-003**	**2.4000e-004**	**7.7700e-003**	**0.0000**	**47.9840**	**47.9840**	**3.0400e-003**	**0.0000**	**48.0600**

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	0.1158	1.0806	1.2020	2.0600e-003		0.0541	0.0541		0.0511	0.0511	0.0000	179.5603	179.5603	0.0393	0.0000	180.5416
Total	**0.1158**	**1.0806**	**1.2020**	**2.0600e-003**		**0.0541**	**0.0541**		**0.0511**	**0.0511**	**0.0000**	**179.5603**	**179.5603**	**0.0393**	**0.0000**	**180.5416**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4400e-003	0.0467	0.0171	2.1000e-004	5.4300e-003	9.0000e-005	5.5200e-003	1.4700e-003	8.0000e-005	1.5600e-003	0.0000	20.6872	20.6872	1.8500e-003	0.0000	20.7335
Vendor	1.0100e-003	0.0348	0.0108	1.2000e-004	3.0300e-003	4.0000e-005	3.0700e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	11.5115	11.5115	7.8000e-004	0.0000	11.5311
Worker	7.5800e-003	5.0200e-003	0.0523	1.7000e-004	0.0195	1.3000e-004	0.0196	5.1800e-003	1.2000e-004	5.3000e-003	0.0000	15.7853	15.7853	4.1000e-004	0.0000	15.7955
Total	**0.0100**	**0.0865**	**0.0802**	**5.0000e-004**	**0.0280**	**2.6000e-004**	**0.0282**	**7.5200e-003**	**2.4000e-004**	**7.7700e-003**	**0.0000**	**47.9840**	**47.9840**	**3.0400e-003**	**0.0000**	**48.0600**

3.6 Construction - 2024

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	0.0164	0.1520	0.1810	3.1000e-004		7.1700e-003	7.1700e-003		6.7800e-003	6.7800e-003	0.0000	27.1742	27.1742	5.9000e-003	0.0000	27.3218
Total	**0.0164**	**0.1520**	**0.1810**	**3.1000e-004**		**7.1700e-003**	**7.1700e-003**		**6.7800e-003**	**6.7800e-003**	**0.0000**	**27.1742**	**27.1742**	**5.9000e-003**	**0.0000**	**27.3218**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	6.8900e-003	2.6100e-003	3.0000e-005	4.4000e-003	1.0000e-005	4.4100e-003	1.1000e-003	1.0000e-005	1.1100e-003	0.0000	3.1086	3.1086	2.8000e-004	0.0000	3.1156
Vendor	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	1.0900e-003	7.0000e-004	7.3900e-003	3.0000e-005	2.9500e-003	2.0000e-005	2.9700e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.2945	2.2945	6.0000e-005	0.0000	2.2960
Total	**1.4500e-003**	**0.0128**	**0.0116**	**8.0000e-005**	**7.8100e-003**	**4.0000e-005**	**7.8400e-003**	**2.0100e-003**	**4.0000e-005**	**2.0500e-003**	**0.0000**	**7.1339**	**7.1339**	**4.6000e-004**	**0.0000**	**7.1453**

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	0.0164	0.1520	0.1810	3.1000e-004		7.1700e-003	7.1700e-003		6.7800e-003	6.7800e-003	0.0000	27.1742	27.1742	5.9000e-003	0.0000	27.3218
Total	**0.0164**	**0.1520**	**0.1810**	**3.1000e-004**		**7.1700e-003**	**7.1700e-003**		**6.7800e-003**	**6.7800e-003**	**0.0000**	**27.1742**	**27.1742**	**5.9000e-003**	**0.0000**	**27.3218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	6.8900e-003	2.6100e-003	3.0000e-005	4.4000e-003	1.0000e-005	4.4100e-003	1.1000e-003	1.0000e-005	1.1100e-003	0.0000	3.1086	3.1086	2.8000e-004	0.0000	3.1156
Vendor	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	1.0900e-003	7.0000e-004	7.3900e-003	3.0000e-005	2.9500e-003	2.0000e-005	2.9700e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.2945	2.2945	6.0000e-005	0.0000	2.2960
Total	**1.4500e-003**	**0.0128**	**0.0116**	**8.0000e-005**	**7.8100e-003**	**4.0000e-005**	**7.8400e-003**	**2.0100e-003**	**4.0000e-005**	**2.0500e-003**	**0.0000**	**7.1339**	**7.1339**	**4.6000e-004**	**0.0000**	**7.1453**

3.7 Paving - 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					
Off-Road	5.6800e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038
Paving	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6100e-003**	**0.0561**	**0.0802**	**1.3000e-004**		**2.8100e-003**	**2.8100e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**11.0148**	**11.0148**	**3.5600e-003**	**0.0000**	**11.1038**

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	1.5000e-004	5.0300e-003	1.5600e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6661	1.6661	1.1000e-004	0.0000	1.6690
Worker	4.1000e-004	2.7000e-004	2.8400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8568	0.8568	2.0000e-005	0.0000	0.8573
Total	**5.6000e-004**	**5.3000e-003**	**4.4000e-003**	**3.0000e-005**	**1.5000e-003**	**2.0000e-005**	**1.5100e-003**	**4.1000e-004**	**2.0000e-005**	**4.2000e-004**	**0.0000**	**2.5229**	**2.5229**	**1.3000e-004**	**0.0000**	**2.5263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6800e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038
Paving	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6100e-003**	**0.0561**	**0.0802**	**1.3000e-004**		**2.8100e-003**	**2.8100e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**11.0148**	**11.0148**	**3.5600e-003**	**0.0000**	**11.1038**

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	1.5000e-004	5.0300e-003	1.5600e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6661	1.6661	1.1000e-004	0.0000	1.6690
Worker	4.1000e-004	2.7000e-004	2.8400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8568	0.8568	2.0000e-005	0.0000	0.8573
Total	**5.6000e-004**	**5.3000e-003**	**4.4000e-003**	**3.0000e-005**	**1.5000e-003**	**2.0000e-005**	**1.5100e-003**	**4.1000e-004**	**2.0000e-005**	**4.2000e-004**	**0.0000**	**2.5229**	**2.5229**	**1.3000e-004**	**0.0000**	**2.5263**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6800e-003	0.0548	0.0841	1.3000e-004		2.6900e-003	2.6900e-003		2.4800e-003	2.4800e-003	0.0000	11.5153	11.5153	3.7200e-003	0.0000	11.6084
Paving	2.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.7000e-003**	**0.0548**	**0.0841**	**1.3000e-004**		**2.6900e-003**	**2.6900e-003**		**2.4800e-003**	**2.4800e-003**	**0.0000**	**11.5153**	**11.5153**	**3.7200e-003**	**0.0000**	**11.6084**

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	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	4.1000e-004	2.6000e-004	2.7700e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8605	0.8605	2.0000e-005	0.0000	0.8610
Total	**5.6000e-004**	**5.4500e-003**	**4.3500e-003**	**3.0000e-005**	**1.5700e-003**	**2.0000e-005**	**1.5700e-003**	**4.2000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**2.5913**	**2.5913**	**1.4000e-004**	**0.0000**	**2.5947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6800e-003	0.0548	0.0841	1.3000e-004		2.6900e-003	2.6900e-003		2.4800e-003	2.4800e-003	0.0000	11.5152	11.5152	3.7200e-003	0.0000	11.6084
Paving	2.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.7000e-003**	**0.0548**	**0.0841**	**1.3000e-004**		**2.6900e-003**	**2.6900e-003**		**2.4800e-003**	**2.4800e-003**	**0.0000**	**11.5152**	**11.5152**	**3.7200e-003**	**0.0000**	**11.6084**

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	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	4.1000e-004	2.6000e-004	2.7700e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8605	0.8605	2.0000e-005	0.0000	0.8610
Total	**5.6000e-004**	**5.4500e-003**	**4.3500e-003**	**3.0000e-005**	**1.5700e-003**	**2.0000e-005**	**1.5700e-003**	**4.2000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**2.5913**	**2.5913**	**1.4000e-004**	**0.0000**	**2.5947**

3.8 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	0.0738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0104	0.0145	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	2.0426	2.0426	1.2000e-004	0.0000	2.0457
Total	**0.0753**	**0.0104**	**0.0145**	**2.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**2.0426**	**2.0426**	**1.2000e-004**	**0.0000**	**2.0457**

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	8.0000e-005	2.7400e-003	8.5000e-004	1.0000e-005	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.9088	0.9088	6.0000e-005	0.0000	0.9104
Worker	7.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1558	0.1558	0.0000	0.0000	0.1559
Total	**1.5000e-004**	**2.7900e-003**	**1.3700e-003**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.0646**	**1.0646**	**6.0000e-005**	**0.0000**	**1.0662**

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	0.0738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0104	0.0145	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	2.0426	2.0426	1.2000e-004	0.0000	2.0457
Total	**0.0753**	**0.0104**	**0.0145**	**2.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**2.0426**	**2.0426**	**1.2000e-004**	**0.0000**	**2.0457**

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	8.0000e-005	2.7400e-003	8.5000e-004	1.0000e-005	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.9088	0.9088	6.0000e-005	0.0000	0.9104
Worker	7.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1558	0.1558	0.0000	0.0000	0.1559
Total	**1.5000e-004**	**2.7900e-003**	**1.3700e-003**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.0646**	**1.0646**	**6.0000e-005**	**0.0000**	**1.0662**

3.8 Architectural Coating - 2024

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	0.1415					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7700e-003	0.0187	0.0278	5.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	3.9150	3.9150	2.2000e-004	0.0000	3.9205
Total	**0.1442**	**0.0187**	**0.0278**	**5.0000e-005**		**9.3000e-004**	**9.3000e-004**		**9.3000e-004**	**9.3000e-004**	**0.0000**	**3.9150**	**3.9150**	**2.2000e-004**	**0.0000**	**3.9205**

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	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	1.4000e-004	9.0000e-005	9.2000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2868	0.2868	1.0000e-005	0.0000	0.2870
Total	**2.9000e-004**	**5.2800e-003**	**2.5000e-003**	**2.0000e-005**	**8.3000e-004**	**1.0000e-005**	**8.3000e-004**	**2.3000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**2.0176**	**2.0176**	**1.3000e-004**	**0.0000**	**2.0207**

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	0.1415					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7700e-003	0.0187	0.0278	5.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	3.9150	3.9150	2.2000e-004	0.0000	3.9205
Total	**0.1442**	**0.0187**	**0.0278**	**5.0000e-005**		**9.3000e-004**	**9.3000e-004**		**9.3000e-004**	**9.3000e-004**	**0.0000**	**3.9150**	**3.9150**	**2.2000e-004**	**0.0000**	**3.9205**

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	1.5000e-004	5.1900e-003	1.5800e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7308	1.7308	1.2000e-004	0.0000	1.7337
Worker	1.4000e-004	9.0000e-005	9.2000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2868	0.2868	1.0000e-005	0.0000	0.2870
Total	**2.9000e-004**	**5.2800e-003**	**2.5000e-003**	**2.0000e-005**	**8.3000e-004**	**1.0000e-005**	**8.3000e-004**	**2.3000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**2.0176**	**2.0176**	**1.3000e-004**	**0.0000**	**2.0207**

B-2: Operations AQ & GHG Emissions

Regional Operational Emissions-2024

SUMMER	ROG	NO_X	CO	SO_X	PM_{10} Total	$PM_{2.5}$ Total
Category	**Emissions (lb/day)**					
Area	0.530	0.000	0.016	0.000	0.000	0.000
Mobile	0.623	2.259	6.560	0.024	2.191	0.597
Total	**1.152**	**2.259**	**6.576**	**0.024**	**2.191**	**0.597**

WINTER	ROG	NO_X	CO	SO_X	PM_{10} Total	$PM_{2.5}$ Total
Category	**Emissions (lb/day)**					
Area	0.530	0.000	0.016	0.000	0.000	0.000
Mobile	0.601	2.310	6.517	0.023	2.191	0.598
Total	**1.131**	**2.310**	**6.534**	**0.023**	**2.191**	**0.598**

MAXIMUM	ROG	NO_X	CO	SO_X	PM_{10} Total	$PM_{2.5}$ Total
Category	**Emissions (lb/day)**					
Area	0.530	0.000	0.016	0.000	0.000	0.000
Mobile	0.623	2.310	6.560	0.024	2.191	0.598
Project Emissions	**1.152**	**2.310**	**6.576**	**0.024**	**2.191**	**0.598**
SDAPCD Significance Thresholds	75	250	550	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Alpine Park Project-Operations

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2024
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	478.64	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SDG&E RPS projections for 2024.

Land Use - Health club land use was used to represent park amenities that include buildings.

Vehicle Trips - Trip rate adjusted to be consistent with daily trips in Traffic Impact Study.

Energy Use - Project would not consume natural gas.

Water And Wastewater - City Park water consumption based on landscape report. No outdoor water consumption for health club, only indoor to represent building water consumption.

Solid Waste - Only city park land use would generate solid waste.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	T24NG	4.31	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	478.64
tblVehicleTrips	ST_TR	22.75	21.29
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	21.29
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	21.29
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	26,867,904.43	13,846,272.80
tblWater	OutdoorWaterUseRate	265,342.85	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.6226	2.2591	6.5597	0.0238	2.1729	0.0180	2.1909	0.5807	0.0167	0.5974		2,420.0453	2,420.0453	0.1196		2,423.0341
Total	**1.1520**	**2.2592**	**6.5762**	**0.0238**	**2.1729**	**0.0180**	**2.1909**	**0.5807**	**0.0168**	**0.5974**		**2,420.0806**	**2,420.0806**	**0.1196**	**0.0000**	**2,423.0717**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.6226	2.2591	6.5597	0.0238	2.1729	0.0180	2.1909	0.5807	0.0167	0.5974		2,420.0453	2,420.0453	0.1196		2,423.0341
Total	**1.1520**	**2.2592**	**6.5762**	**0.0238**	**2.1729**	**0.0180**	**2.1909**	**0.5807**	**0.0168**	**0.5974**		**2,420.0806**	**2,420.0806**	**0.1196**	**0.0000**	**2,423.0717**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6226	2.2591	6.5597	0.0238	2.1729	0.0180	2.1909	0.5807	0.0167	0.5974		2,420.0453	2,420.0453	0.1196		2,423.0341
Unmitigated	0.6226	2.2591	6.5597	0.0238	2.1729	0.0180	2.1909	0.5807	0.0167	0.5974		2,420.0453	2,420.0453	0.1196		2,423.0341

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	480.09	480.09	480.09	1,024,920	1,024,920
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	480.09	480.09	480.09	1,024,920	1,024,920

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Health Club	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Parking Lot	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	lb/day										lb/day					
Mitigated	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**0.5295**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**0.5295**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Alpine Park Project-Operations - San Diego County APCD Air District, Winter

Alpine Park Project-Operations

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2024
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	478.64	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SDG&E RPS projections for 2024.

Land Use - Health club land use was used to represent park amenities that include buildings.

Vehicle Trips - Trip rate adjusted to be consistent with daily trips in Traffic Impact Study.

Energy Use - Project would not consume natural gas.

Water And Wastewater - City Park water consumption based on landscape report. No outdoor water consumption for health club, only indoor to represent building water consumption.

Solid Waste - Only city park land use would generate solid waste.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	T24NG	4.31	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	478.64
tblVehicleTrips	ST_TR	22.75	21.29
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	21.29
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	21.29
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	26,867,904.43	13,846,272.80
tblWater	OutdoorWaterUseRate	265,342.85	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.6012	2.3096	6.5174	0.0225	2.1729	0.0181	2.1910	0.5807	0.0168	0.5975		2,295.3423	2,295.3423	0.1208		2,298.3616
Total	**1.1307**	**2.3098**	**6.5338**	**0.0225**	**2.1729**	**0.0182**	**2.1910**	**0.5807**	**0.0169**	**0.5975**		**2,295.3776**	**2,295.3776**	**0.1209**	**0.0000**	**2,298.3991**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.6012	2.3096	6.5174	0.0225	2.1729	0.0181	2.1910	0.5807	0.0168	0.5975		2,295.3423	2,295.3423	0.1208		2,298.3616
Total	**1.1307**	**2.3098**	**6.5338**	**0.0225**	**2.1729**	**0.0182**	**2.1910**	**0.5807**	**0.0169**	**0.5975**		**2,295.3776**	**2,295.3776**	**0.1209**	**0.0000**	**2,298.3991**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6012	2.3096	6.5174	0.0225	2.1729	0.0181	2.1910	0.5807	0.0168	0.5975		2,295.3423	2,295.3423	0.1208		2,298.3616
Unmitigated	0.6012	2.3096	6.5174	0.0225	2.1729	0.0181	2.1910	0.5807	0.0168	0.5975		2,295.3423	2,295.3423	0.1208		2,298.3616

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	480.09	480.09	480.09	1,024,920	1,024,920
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	480.09	480.09	480.09	1,024,920	1,024,920

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Health Club	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Parking Lot	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	lb/day										lb/day					
Mitigated	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	0.5295	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**0.5295**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**0.5295**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Project Operations GHG Summary-Buildout Year 2024 Emissions

Source Category	$MTCO_2e$/year
Area	0.003
Electricity	23.298
Mobile	383.354
Waste	21.957
Water	35.393
Construction	37.910
Total Project Emissions	**501.91**

Alpine Park Project-Operations

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	131.20	1000sqft	3.01	131,200.00	0
City Park	22.55	Acre	22.55	982,278.00	0
Health Club	7.32	1000sqft	0.17	7,320.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2024
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	478.64	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SDG&E RPS projections for 2024.

Land Use - Health club land use was used to represent park amenities that include buildings.

Vehicle Trips - Trip rate adjusted to be consistent with daily trips in Traffic Impact Study.

Energy Use - Project would not consume natural gas.

Water And Wastewater - City Park water consumption based on landscape report. No outdoor water consumption for health club, only indoor to represent building water consumption.

Solid Waste - Only city park land use would generate solid waste.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	T24NG	4.31	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	478.64
tblVehicleTrips	ST_TR	22.75	21.29
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	21.29
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	21.29
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	26,867,904.43	13,846,272.80
tblWater	OutdoorWaterUseRate	265,342.85	0.00

2.0 Emissions Summary

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	0.0965	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	23.1761	23.1761	1.4000e-003	2.9000e-004	23.2977
Mobile	0.1066	0.4217	1.1701	4.1400e-003	0.3862	3.2800e-003	0.3895	0.1034	3.0500e-003	0.1065	0.0000	382.8613	382.8613	0.0197	0.0000	383.3536
Waste						0.0000	0.0000		0.0000	0.0000	8.8626	0.0000	8.8626	0.5238	0.0000	21.9567
Water						0.0000	0.0000		0.0000	0.0000	0.1374	34.6220	34.7593	0.0162	7.7000e-004	35.3930
Total	**0.2031**	**0.4217**	**1.1716**	**4.1400e-003**	**0.3862**	**3.2900e-003**	**0.3895**	**0.1034**	**3.0600e-003**	**0.1065**	**8.9999**	**440.6622**	**449.6622**	**0.5611**	**1.0600e-003**	**464.0041**

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	0.0965	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	23.1761	23.1761	1.4000e-003	2.9000e-004	23.2977
Mobile	0.1066	0.4217	1.1701	4.1400e-003	0.3862	3.2800e-003	0.3895	0.1034	3.0500e-003	0.1065	0.0000	382.8613	382.8613	0.0197	0.0000	383.3536
Waste						0.0000	0.0000		0.0000	0.0000	8.8626	0.0000	8.8626	0.5238	0.0000	21.9567
Water						0.0000	0.0000		0.0000	0.0000	0.1374	34.6220	34.7593	0.0162	7.7000e-004	35.3930
Total	**0.2031**	**0.4217**	**1.1716**	**4.1400e-003**	**0.3862**	**3.2900e-003**	**0.3895**	**0.1034**	**3.0600e-003**	**0.1065**	**8.9999**	**440.6622**	**449.6622**	**0.5611**	**1.0600e-003**	**464.0041**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	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	0.1066	0.4217	1.1701	4.1400e-003	0.3862	3.2800e-003	0.3895	0.1034	3.0500e-003	0.1065	0.0000	382.8613	382.8613	0.0197	0.0000	383.3536
Unmitigated	0.1066	0.4217	1.1701	4.1400e-003	0.3862	3.2800e-003	0.3895	0.1034	3.0500e-003	0.1065	0.0000	382.8613	382.8613	0.0197	0.0000	383.3536

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	480.09	480.09	480.09	1,024,920	1,024,920
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	480.09	480.09	480.09	1,024,920	1,024,920

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Health Club	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998
Parking Lot	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998

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	23.1761	23.1761	1.4000e-003	2.9000e-004	23.2977
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.1761	23.1761	1.4000e-003	2.9000e-004	23.2977
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
City Park	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
Health Club	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	60829.2	13.2065	8.0000e-004	1.7000e-004	13.2758
Parking Lot	45920	9.9696	6.0000e-004	1.2000e-004	10.0219
Total		**23.1760**	**1.4000e-003**	**2.9000e-004**	**23.2977**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	60829.2	13.2065	8.0000e-004	1.7000e-004	13.2758
Parking Lot	45920	9.9696	6.0000e-004	1.2000e-004	10.0219
Total		**23.1760**	**1.4000e-003**	**2.9000e-004**	**23.2977**

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	0.0965	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Unmitigated	0.0965	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Total	**0.0965**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**2.8800e-003**	**2.8800e-003**	**1.0000e-005**	**0.0000**	**3.0700e-003**

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	0.0215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Total	**0.0965**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**2.8800e-003**	**2.8800e-003**	**1.0000e-005**	**0.0000**	**3.0700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	34.7593	0.0162	7.7000e-004	35.3930
Unmitigated	34.7593	0.0162	7.7000e-004	35.3930

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 13.8463	33.3981	2.0200e-003	4.2000e-004	33.5734
Health Club	0.432928 / 0	1.3612	0.0142	3.5000e-004	1.8196
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**34.7593**	**0.0162**	**7.7000e-004**	**35.3930**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 13.8463	33.3981	2.0200e-003	4.2000e-004	33.5734
Health Club	0.432928 / 0	1.3612	0.0142	3.5000e-004	1.8196
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**34.7593**	**0.0162**	**7.7000e-004**	**35.3930**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.8626	0.5238	0.0000	21.9567
Unmitigated	8.8626	0.5238	0.0000	21.9567

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.94	0.3938	0.0233	0.0000	0.9756
Health Club	41.72	8.4688	0.5005	0.0000	20.9811
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**8.8626**	**0.5238**	**0.0000**	**21.9567**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.94	0.3938	0.0233	0.0000	0.9756
Health Club	41.72	8.4688	0.5005	0.0000	20.9811
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**8.8626**	**0.5238**	**0.0000**	**21.9567**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

B-3: Construction Energy Analysis

PROJECT Fuel Consumption Summary

Source Category	Fuel Consumption (gal)	
	Diesel	Gasoline
Offroad Equipment	106,444	
Haul Trucks	5,969	
Vendor Trucks	4,943	
Workers		7,350
Total Fuel Consumption	**117,355**	**7,350**

Construction Duration (years)	1.33
Average Annual Diesel	**87,956.35**
Average Annual Gasoline	**5,508.57**

County Fuel Consumption (2019) [1]

County: San Diego

Source	Fuel Type	Gallons (Retail + Non-Retail	Percent of Project Compared to County
Workers	Gas	1,325,000,000	0.0004%
Off-Road/Haul & Vendor Trucks	Diesel	229,166,667	0.038%

Notes:

1. California Energy Commission, California Annual Retail Fuel Outlet Report Results (CEC-A15), 2010-2019
   https://www.energy.ca.gov/sites/default/files/2020-10/2010-2019%20CEC-A15%20Results%20and%20Analysis.xlsx
   Accessed November 2020. Diesel is adjusted to account for retail (48%) and non-retail (52%) diesel sales

Off-Road Equipment

Fuel Consumption: Equipment ≤ 100HP	Value
Brake Specific Fuel Consumption Factor (lb/hp-hr)[1]	0.408
Fuel Density (lb/gal)[1]	7.11
Consumption Factor (gal/hp-hr)	0.0574
Total HP-HR <100	693,270
Total Diesel Fuel (gal)	**39,788**

Fuel Consumption: Equipment > 100HP	Value
Brake Specific Fuel Consumption Factor (lb/hp-hr)[1]	0.367
Fuel Density (lb/gal)[1]	7.11
Consumption Factor (gal/hp-hr)	0.0516
Total HP-HR ≥100	1,291,152
Total Diesel Fuel (gal)	**66,655**

Total diesel gallons (off-road equipment): 106,444

Phase Name	Equipment	# of Equipment	Hours/Day	HP	Load Factor	Days	Total HP-HR
Grubbing/Land Clearing	Crawler Tractors	3	8	212	0.43	10	21,878.40
Grubbing/Land Clearing	Excavators	1	8	158	0.38	10	4,803.20
Grading/Excavation	Crawler Tractors	3	8	212	0.43	173	378,496.32
Grading/Excavation	Excavators	1	8	158	0.38	173	83,095.36
Grading/Excavation	Rollers	1	8	80	0.38	173	42,073.60
Grading/Excavation	Rubber Tired Loaders	1	8	203	0.36	173	101,142.72
Grading/Excavation	Tractors/Loaders/Backhoes	1	8	97	0.37	173	49,671.76
Grading/Excavation	Scrapers	2	8	367	0.48	173	487,610.88
Drainage/Utilities/Subgrade	Air Compressors	1	8	78	0.48	89	26,657.28
Drainage/Utilities/Subgrade	Generator Sets	1	8	84	0.74	89	44,257.92
Drainage/Utilities/Subgrade	Tractors/Loaders/Backhoes	4	8	97	0.37	89	102,214.72
Sewer Line Installation	Excavators	1	8	158	0.38	174	83,575.68
Sewer Line Installation	Rollers	1	8	80	0.38	174	42,316.80
Sewer Line Installation	Tractors/Loaders/Backhoes	1	8	97	0.37	174	49,958.88
Construction	Air Compressors	1	8	78	0.48	175	52,416.00
Construction	Cranes	1	8	231	0.29	175	93,786.00
Construction	Forklifts	3	8	89	0.2	175	74,760.00
Construction	Generator Sets	1	8	84	0.74	175	87,024.00
Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	175	100,492.00
Paving	Pavers	1	8	130	0.42	45	19,656.00
Paving	Paving Equipment	1	8	132	0.36	45	17,107.20
Paving	Rollers	1	8	80	0.38	45	10,944.00
Architectural Coating	Air Compressors	1	8	78	0.48	35	10,483.20
						Total ≥100HP	1,291,151.76
						Total <100HP	693,270.16

Notes:
1. CARB, 2017 Off-road Diesel Emission Factors
https://ww3.arb.ca.gov/msei/ordiesel/ordas_ef_fcf_2017_v7.xlsx

Haul Trucks

Onroad Travel Consumption	Value
EMFAC2021 Diesel Fuel Consumption Factor (gal/mi):[1]	0.176
Total VMT (mi):	33,840
Total diesel gallons	**5,953**
Idling Consumption	**Value**
Idling Fuel Consumption Factor (gal/hr):[2]	0.6400
Total Idle-Hours per Year:	71
Total diesel gallons	**16**

Total diesel gallons: 5,969

Phase	Total Truck Trips	Trip Length (miles)	Vehicle Category	VMT	Idle Hours
Grubbing/Land Clearing	0	20	HHDT	0	0
Grading/Excavation	1036	20	HHDT	20,720	86
Drainage/Utilities/Subgrade	0	20	HHDT	0	0
Sewer Line Installation	0	20	HHDT	0	0
Construction	656	20	HHDT	13,120	55
Paving	0	20	HHDT	0	0
Architectural Coating	0	20	HHDT	0	0
			Total VMT:	**33,840**	
			Total Idle-Hours:		**71**

1. CARB, EMFAC2021 (SDAPCD; HHDT; Annual; CY 2022; Aggregate MY; Aggregate Speed,DSL)
2. Department of Energy, Fact #861, 2015 Idle Fuel Consumption for Selected Gasoline and Diesel Vehicles, February 23, 2015. https://www.energy.gov/eere/vehicles/fact-861-february-23-2015-idle-fuel-consumption-selected-gasoline-and-diesel-vehicles

Vendor Trucks

Onroad Travel Consumption	Value
EMFAC2021 Diesel Fuel Consumption Factor (gal/mi):[1]	0.160
Total VMT (mi):	30,704
Total diesel gallons	**4,902**
Idling Consumption	**Value**
Idling Fuel Consumption Factor (gal/hr):[2]	0.6400
Total Idle-Hours per Year:	175
Total diesel gallons	**40**

Total diesel gallons: 4,943

Phase	Days/year	Truck Trips per Day (In/Out)	Trip Length (miles)	Vehicle Category	VMT	Idle Hours
Grubbing/Land Clearing	10	6	7.3	HHDT/MHDT	438	5
Grading/Excavation	173	6	7.3	HHDT/MHDT	7,577	87
Drainage/Utilities/Subgrade	89	6	7.3	HHDT/MHDT	3,898	45
Sewer Line Installation	174	6	7.3	HHDT/MHDT	7,621	87
Construction	175	6	7.3	HHDT/MHDT	7,665	88
Paving	45	6	7.3	HHDT/MHDT	1,971	23
Architectural Coating	35	6	7.3	HHDT/MHDT	1,533	18
				Total VMT:	**30,704**	
				Total Idle-Hours:		**175**

1. CARB, EMFAC2021 (SDAPCD; MHDT/HHDT; Annual; CY 2022; Aggregate MY; Aggregate Speed,DSL)
2. Department of Energy, Fact #861, 2015 Idle Fuel Consumption for Selected Gasoline and Diesel Vehicles, February 23, 2015. https://www.energy.gov/eere/vehicles/fact-861-february-23-2015-idle-fuel-consumption-selected-gasoline-and-diesel-vehicles

Workers

Onroad Travel Consumption	Value
EMFAC2021 Gasoline Fuel Consumption Factor (gal/mi):[1]	0.0403
Total VMT (mi):	182,434
Total gasoline gallons	**7,350**

Phase	Days/year	Vehicle Trips per day (In/Out)	Trip Length (miles)	Vehicle Category	VMT
Grubbing/Land Clearing	10	16	10.8	LD Fleet Mix	1,728
Grading/Excavation	173	36	10.8	LD Fleet Mix	67,262
Drainage/Utilities/Subgrade	89	24	10.8	LD Fleet Mix	23,069
Sewer Line Installation	174	12	10.8	LD Fleet Mix	22,550
Construction	175	32	10.8	LD Fleet Mix	60,480
Paving	45	12	10.8	LD Fleet Mix	5,832
Architectural Coating	35	4	10.8	LD Fleet Mix	1,512
				Total VMT:	**182,434**

1. CARB, EMFAC2021 (SDAPCD; LDA/LDT1/LDT2; Annual; CY 2022; Aggregate MY; Aggregate Speed,GAS)

Idling Fuel Consumption Factors

Column1	Column2	Column3	Column4	Column5
VEHICLE TYPE	FUEL TYPE	ENGINE SIZE	GROSS VEHICLE WEIGHT	IDLING FUEL USE
		(LITER)	(GVW) (LBS)	(GAL/HR WITH NO LOAD)
Compact Sedan	Gas	2	-	0.16
Large Sedan	Gas	4.6	-	0.39
Compact Sedan	Diesel	2	-	0.17
Medium Heavy Truck	Gas	7-May	19,700-26,000	0.84
Delivery Truck	Diesel	-	19,500	0.84
Tow Truck	Diesel	-	26,000	0.59
Medium Heavy Truck	Diesel	10-Jun	23,000-33,000	0.44
Transit Bus	Diesel	-	30,000	0.97
Combination Truck	Diesel	-	32,000	0.49
Bucket Truck	Diesel	-	37,000	0.9
Tractor-Semitrailer	Diesel	-	80,000	0.64

Department of Energy, Fact #861, 2015 Idle Fuel Consumption for Selected Gasoline and Diesel Vehicles, February 23, 2015.
https://www.energy.gov/eere/vehicles/fact-861-february-23-2015-idle-fuel-consumption-selected-gasoline-and-diesel-vehicles

Region	San Diego County APCD
Calendar Year	2022
Model Year	Aggregate
Speed	Aggregate
Fuel	Gasoline

Row Labels	Sum of Total VMT	Sum of Fuel Consumption
LDA	46651921.79	1723.6896
LDT1	4651323.272	207.139018
LDT2	21817861.26	1015.035547
Grand Total	**73121106.32**	**2945.864165**

Worker Fuel Consumption Factors

Vehicle Category	VMT (mi/day)	Fuel Consumption (1000gal/day)	Fuel Consumption Factor (gal/mi)	Fuel Economy (mi/gal)	Distribution of Trips	gal/mi
LDA	46651921.79	1723.6896	0.037	27.1	64%	0.040
LDT1	4651323.272	207.139018	0.045	22.5	6%	
LDT2	21817861.26	1015.035547	0.047	21.5	30%	

Region	San Diego County APCD
Calendar Year	2022
Model Year	Aggregate
Speed	Aggregate
Fuel	Diesel

Row Labels	Sum of Total VMT	Sum of Fuel Consumption
HHDT	1811813.427	318.7189632
MHDT	736028.0774	88.09465902
Grand Total	**2547841.504**	**406.8136222**

Truck Fuel Consumption Factors

Vehicle Category	VMT (miles/day)	Fuel Consumption (1000 gal/day)	Fuel Consumption Factor (gal/mi)	Fuel Economy (mi/gal)	Distribution of Trips	Vendor Fuel Factor (gal/mi)
HHDT	1811813.427	318.7189632	0.176	5.68	71%	0.160
MHDT	736028.0774	88.09465902	0.120	8.35	29%	

B-4: Operations Energy Analysis

Operations Energy Consumption Summary

Transportation Fuel

Fuel Type	Gallons/Year
GAS	42,038
DSL	5,982

County: San Diego

Fuel Type	Gallons (Retail + Non-Retail	Percent of Project Compared to County
Gas	1,325,000,000	0.003%
Diesel	229,166,667	0.003%

Electricity

Comparison	GWh/year
SDG&E 2019 Electricity Sales	17,880
Project Electricity	0.29
Project % of Sales	0.002%

Utility Consumption

Electricity[3]

Land Use	kWh/year	GWh/year
City Park	0	0.000
Health Club	60829.2	0.061
Parking Lot	45920	0.046
Total	**0**	**0.107**

Comparison	GWh/year
SDG&E 2019 Electricity Sales[1]	17,880
Project Electricity	0.29
Project % of Sales	0.0016%

Water Consumption[2]

Land Use	Mgal/yr
City Park	14
Health Club	0
Parking Lot	0
Total	**14**

Electricity Intensity Factors	kWh/Mgal
Electricity Factor - Supply	9,727.00
Electricity Factor - Treat	111.00
Electricity Factor - Distribute	1,272.00
Electricity Factor - Wastewater Treatment	1,911.00
Total	**13021.0**

Electricity from Water Demand	kWh/yr	GWh/yr
Total	**185,929.83**	**0.19**

Notes:

1 2020 Sempra Energy Sustainability Report
https://www.sempra.com/sites/default/files/content/files/node-report/2020/SempraEnergy_2020_Corporate-Sustainability-Report.pdf

2 Electricity and water values from CalEEMod Annual Output file

3 Health Club used to account for electricity and indoor water consumption from buildings.

Region	San Diego County APCD
Model Year	Aggregate
Speed	Aggregate
Calendar Year	2024

Row Labels	Vehicle Category	Sum of Total VMT	Sum of Fuel Consumption
Diesel	HHDT	1859684.668	317.7018708
Diesel	LDA	172212.5896	4.324711617
Diesel	LDT1	887.9331638	0.039484997
Diesel	LDT2	87677.92127	2.966871759
Diesel	LHDT1	1194852.754	74.30238324
Diesel	LHDT2	483249.1016	36.24370561
Diesel	MDV	235562.3085	10.53542862
Diesel	MH	39601.90723	4.218298391
Diesel	MHDT	748443.1077	88.58979522
Diesel	OBUS	47363.04896	7.009053046
Diesel	SBUS	45339.0525	5.595751568
Gasoline	HHDT	492.454592	0.135558299
Gasoline	LDA	46842847.47	1675.082383
Gasoline	LDT1	4429822.548	192.2938286
Gasoline	LDT2	22430753.47	1003.629579
Gasoline	LHDT1	1671762.223	172.8674945
Gasoline	LHDT2	231444.1973	26.98225132
Gasoline	MCY	430235.858	11.02982364
Gasoline	MDV	13160207.11	715.8291652
Gasoline	MH	93222.28885	21.13678274
Gasoline	MHDT	196459.3898	41.45910634
Gasoline	OBUS	56792.68216	11.88069266
Gasoline	SBUS	15743.27221	1.588112369
Gasoline	UBUS	13564.69797	1.570833898
Grand Total		**94488222.06**	**4427.012966**

Fuel Type	Vehicle Category	VMT (mi/day)	Fuel Consumption (1000gal/day)
Diesel	HHDT	1859684.67	317.70
Diesel	LDA	172212.59	4.32
Diesel	LDT1	887.93	0.04
Diesel	LDT2	87677.92	2.97
Diesel	LHDT1	1194852.75	74.30
Diesel	LHDT2	483249.10	36.24
Diesel	MDV	235562.31	10.54
Diesel	MH	39601.91	4.22
Diesel	MHDT	748443.11	88.59
Diesel	OBUS	47363.05	7.01
Diesel	SBUS	45339.05	5.60
Gasoline	HHDT	492.45	0.14
Gasoline	LDA	46842847.47	1675.08
Gasoline	LDT1	4429822.55	192.29
Gasoline	LDT2	22430753.47	1003.63
Gasoline	LHDT1	1671762.22	172.87
Gasoline	LHDT2	231444.20	26.98
Gasoline	MCY	430235.86	11.03
Gasoline	MDV	13160207.11	715.83
Gasoline	MH	93222.29	21.14
Gasoline	MHDT	196459.39	41.46
Gasoline	OBUS	56792.68	11.88
Gasoline	SBUS	15743.27	1.59
Gasoline	UBUS	13564.70	1.57

Project Fuel Consumption

						Annual Miles		
						1,024,920.37		
	Fuel Consumption Factor (gal/mi)		Fuel Distribution		Fleet Mix	Miles/Vehicle Category	Gallons of Fuel	
Vehicle Category	DSL	GAS	DSL	GAS			DSL	GAS
HHDT	0.17	0.28	99.97%	0.03%	2.0%	20,177.47	3,446.13	1.47
LDA	0.03	0.04	0.37%	99.63%	49.8%	509,975.66	46.91	18,169.74
LDT1	0.04	0.04	0.02%	99.98%	4.7%	48,060.23	0.43	2,085.82
LDT2	0.03	0.04	0.39%	99.61%	23.8%	244,259.01	32.18	10,886.44
LHDT1	0.06	0.10	41.68%	58.32%	3.0%	31,094.37	805.96	1,875.11
LHDT2	0.08	0.12	67.62%	32.38%	0.8%	7,752.33	393.14	292.68
MCY	0.00	0.03	0.00%	100.00%	0.5%	4,666.80	0.00	119.64
MDV	0.04	0.05	1.76%	98.24%	14.2%	145,304.85	114.28	7,764.65
MH	0.11	0.23	29.82%	70.18%	0.1%	1,440.75	45.76	229.27
MHDT	0.12	0.21	79.21%	20.79%	1.0%	10,249.42	960.94	449.71
OBUS	0.15	0.21	45.47%	54.53%	0.1%	1,129.78	76.03	128.87
SBUS	0.12	0.10	74.23%	25.77%	0.1%	662.56	60.70	17.23
UBUS	0.00	0.12	0.00%	100.00%	0.0%	147.14	0.00	17.04
Project						**1,024,920.37**	**5,982.46**	**42,037.66**

*Annual miles from CalEEMod Annual Operations output
EMFAC2021, SDAPCD, Aggregate Speed, Aggregate Model Year, Calendar Year 2024