

Appendix C

Air Quality and Greenhouse Gas Emissions Modeling



C-1 Air Quality Modeling

AQ Worksheet Summary

Maximum lb/day Emissions

Emissions (lb/day)	ROG	NOx	CO	SO2	Fug PM10	Exh PM10	Total PM10	Fug PM2.5	Exh PM2.5	Total PM2.5
Construction	13.32	144.80	86.69	0.17	47.02	6.70	53.72	23.80	6.17	29.96
Operations	0.22	0.83	2.20	0.01	0.60	0.01	0.60	0.16	0.01	0.17
SD County Thresholds (lb/day)	75	250	550	250	n/a	n/a	100	n/a	n/a	55
Exceed Threshold?	no	no	no	no	n/a	n/a	no	n/a	n/a	no

<https://www.sandiegocounty.gov/content/dam/sdc/pds/ProjectPlanning/docs/AQ-Guidelines.pdf>

Table 5
Screening-Level Thresholds for Air Quality Impact Analysis

Pollutant	Total Emissions		
	Lbs. Per Hour	Lbs. per Day	Tons per Year
Respirable Particulate Matter (PM ₁₀)	---	100	15
Fine Particulate Matter (PM _{2.5})	---	55*	10*
Oxides of Nitrogen (NOx)	25	250	40
Oxides of Sulfur (SOx)	25	250	40
Carbon Monoxide (CO)	100	550	100
Lead and Lead Compounds	---	3.2	0.6
Volatile Organic Compounds (VOCs)	---	75**	13.7***

* EPA "Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards" published September 8, 2005. Also used by the SCAQMD.

** Threshold for VOCs based on the threshold of significance for VOCs from the South Coast Air Quality Management District for the Coachella Valley.

*** 13.7 Tons Per Year threshold based on 75 lbs/day multiplied by 365 days/year and divided by 2000 lbs/ton.

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	22.00
tblTripsAndVMT	HaulingTripNumber	0.00	420.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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					
2021	4.1337	45.4582	23.1472	0.0552	18.6463	2.0611	20.7074	10.0875	1.8968	11.9842	0.0000	5,544.4697	5,544.4697	1.3416	0.0000	5,578.0098
Maximum	4.1337	45.4582	23.1472	0.0552	18.6463	2.0611	20.7074	10.0875	1.8968	11.9842	0.0000	5,544.4697	5,544.4697	1.3416	0.0000	5,578.0098

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					
2021	4.1337	45.4581	23.1472	0.0552	18.6463	2.0611	20.7074	10.0875	1.8968	11.9842	0.0000	5,544.4697	5,544.4697	1.3416	0.0000	5,578.0098
Maximum	4.1337	45.4581	23.1472	0.0552	18.6463	2.0611	20.7074	10.0875	1.8968	11.9842	0.0000	5,544.4697	5,544.4697	1.3416	0.0000	5,578.0098

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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
P1 Site Preparation	7	30.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.1417	4.8936	1.1972	0.0147	0.3336	0.0149	0.3485	0.0914	0.0143	0.1057		1,614.4806	1,614.4806	0.1426		1,618.0459
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1038	0.0674	0.7957	2.4500e-003	0.2464	1.7000e-003	0.2482	0.0654	1.5700e-003	0.0669		244.3323	244.3323	6.9700e-003		244.5066
Total	0.2455	4.9611	1.9929	0.0172	0.5800	0.0166	0.5967	0.1568	0.0159	0.1727		1,858.8128	1,858.8128	0.1496		1,862.5525

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Site Preparation - 2021**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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3

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	0.1417	4.8936	1.1972	0.0147	0.3336	0.0149	0.3485	0.0914	0.0143	0.1057		1,614.480 6	1,614.480 6	0.1426		1,618.045 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1038	0.0674	0.7957	2.4500e-003	0.2464	1.7000e-003	0.2482	0.0654	1.5700e-003	0.0669		244.3323	244.3323	6.9700e-003		244.5066
Total	0.2455	4.9611	1.9929	0.0172	0.5800	0.0166	0.5967	0.1568	0.0159	0.1727		1,858.812 8	1,858.812 8	0.1496		1,862.552 5

4.0 Operational Detail - Mobile

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Unmitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
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
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**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	22.00
tblTripsAndVMT	HaulingTripNumber	0.00	420.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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					
2021	4.1515	45.5086	23.1748	0.0548	18.6463	2.0614	20.7077	10.0875	1.8971	11.9845	0.0000	5,501.6079	5,501.6079	1.3459	0.0000	5,535.2555
Maximum	4.1515	45.5086	23.1748	0.0548	18.6463	2.0614	20.7077	10.0875	1.8971	11.9845	0.0000	5,501.6079	5,501.6079	1.3459	0.0000	5,535.2555

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					
2021	4.1515	45.5086	23.1748	0.0548	18.6463	2.0614	20.7077	10.0875	1.8971	11.9845	0.0000	5,501.6079	5,501.6079	1.3459	0.0000	5,535.2555
Maximum	4.1515	45.5086	23.1748	0.0548	18.6463	2.0614	20.7077	10.0875	1.8971	11.9845	0.0000	5,501.6079	5,501.6079	1.3459	0.0000	5,535.2555

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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
P1 Site Preparation	7	30.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.1456	4.9358	1.2726	0.0145	0.3336	0.0153	0.3488	0.0914	0.0146	0.1060		1,586.5867	1,586.5867	0.1473		1,590.2692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1177	0.0757	0.7480	2.3000e-003	0.2464	1.7000e-003	0.2482	0.0654	1.5700e-003	0.0669		229.3643	229.3643	6.5900e-003		229.5290
Total	0.2633	5.0115	2.0205	0.0168	0.5800	0.0170	0.5970	0.1568	0.0162	0.1730		1,815.9510	1,815.9510	0.1539		1,819.7982

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Site Preparation - 2021**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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3

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	0.1456	4.9358	1.2726	0.0145	0.3336	0.0153	0.3488	0.0914	0.0146	0.1060		1,586.586 7	1,586.586 7	0.1473		1,590.269 2
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1177	0.0757	0.7480	2.3000e-003	0.2464	1.7000e-003	0.2482	0.0654	1.5700e-003	0.0669		229.3643	229.3643	6.5900e-003		229.5290
Total	0.2633	5.0115	2.0205	0.0168	0.5800	0.0170	0.5970	0.1568	0.0162	0.1730		1,815.951 0	1,815.951 0	0.1539		1,819.798 2

4.0 Operational Detail - Mobile

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Unmitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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
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**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	MaterialExported	0.00	8,800.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	420.00
tblTripsAndVMT	WorkerTripNumber	15.00	22.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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					
2021	2.5082	29.6798	17.6382	0.0462	7.6651	1.1761	8.8412	3.5756	1.0826	4.6581	0.0000	4,665.5860	4,665.5860	1.0766	0.0000	4,692.5003
Maximum	2.5082	29.6798	17.6382	0.0462	7.6651	1.1761	8.8412	3.5756	1.0826	4.6581	0.0000	4,665.5860	4,665.5860	1.0766	0.0000	4,692.5003

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					
2021	2.5082	29.6798	17.6382	0.0462	7.6651	1.1761	8.8412	3.5756	1.0826	4.6581	0.0000	4,665.5860	4,665.5860	1.0766	0.0000	4,692.5003
Maximum	2.5082	29.6798	17.6382	0.0462	7.6651	1.1761	8.8412	3.5756	1.0826	4.6581	0.0000	4,665.5860	4,665.5860	1.0766	0.0000	4,692.5003

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Earth Work	Grading	8/1/2021	8/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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
P1 Earth Work	6	22.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.1 Mitigation Measures Construction**3.2 P1 Earth Work - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004		2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1417	4.8936	1.1972	0.0147	0.3456	0.0149	0.3605	0.0944	0.0143	0.1087		1,614.4806	1,614.4806	0.1426		1,618.0459
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0494	0.5835	1.8000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		179.1770	179.1770	5.1100e-003		179.3048
Total	0.2178	4.9431	1.7807	0.0165	0.5263	0.0162	0.5425	0.1423	0.0154	0.1578		1,793.6575	1,793.6575	0.1477		1,797.3508

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					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1417	4.8936	1.1972	0.0147	0.3456	0.0149	0.3605	0.0944	0.0143	0.1087		1,614.4806	1,614.4806	0.1426		1,618.0459
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0494	0.5835	1.8000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		179.1770	179.1770	5.1100e-003		179.3048
Total	0.2178	4.9431	1.7807	0.0165	0.5263	0.0162	0.5425	0.1423	0.0154	0.1578		1,793.6575	1,793.6575	0.1477		1,797.3508

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Unmitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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
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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas**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
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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

7.0 Water Detail

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	MaterialExported	0.00	8,800.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	420.00
tblTripsAndVMT	WorkerTripNumber	15.00	22.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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					
2021	2.5223	29.7280	17.6786	0.0458	7.6651	1.1764	8.8415	3.5756	1.0829	4.6584	0.0000	4,626.7157	4,626.7157	1.0810	0.0000	4,653.7400
Maximum	2.5223	29.7280	17.6786	0.0458	7.6651	1.1764	8.8415	3.5756	1.0829	4.6584	0.0000	4,626.7157	4,626.7157	1.0810	0.0000	4,653.7400

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					
2021	2.5223	29.7280	17.6786	0.0458	7.6651	1.1764	8.8415	3.5756	1.0829	4.6584	0.0000	4,626.7157	4,626.7157	1.0810	0.0000	4,653.7400
Maximum	2.5223	29.7280	17.6786	0.0458	7.6651	1.1764	8.8415	3.5756	1.0829	4.6584	0.0000	4,626.7157	4,626.7157	1.0810	0.0000	4,653.7400

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Earth Work	Grading	8/1/2021	8/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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
P1 Earth Work	6	22.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.1 Mitigation Measures Construction**3.2 P1 Earth Work - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004		2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1456	4.9358	1.2726	0.0145	0.3456	0.0153	0.3609	0.0944	0.0146	0.1090		1,586.5867	1,586.5867	0.1473		1,590.2692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0863	0.0555	0.5485	1.6900e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		168.2005	168.2005	4.8300e-003		168.3213
Total	0.2319	4.9913	1.8211	0.0162	0.5263	0.0165	0.5428	0.1423	0.0157	0.1581		1,754.7872	1,754.7872	0.1521		1,758.5905

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					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1456	4.9358	1.2726	0.0145	0.3456	0.0153	0.3609	0.0944	0.0146	0.1090		1,586.5867	1,586.5867	0.1473		1,590.2692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0863	0.0555	0.5485	1.6900e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		168.2005	168.2005	4.8300e-003		168.3213
Total	0.2319	4.9913	1.8211	0.0162	0.5263	0.0165	0.5428	0.1423	0.0157	0.1581		1,754.7872	1,754.7872	0.1521		1,758.5905

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Unmitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas**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
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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

7.0 Water Detail

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	8,800.00
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	400.00
tblTripsAndVMT	HaulingTripNumber	169.00	49.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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					
2021	13.3048	144.7428	86.6598	0.1748	47.0163	6.7018	53.7181	23.7974	6.1662	29.9636	0.0000	17,143.6597	17,143.6597	5.0668	0.0000	17,270.3300
Maximum	13.3048	144.7428	86.6598	0.1748	47.0163	6.7018	53.7181	23.7974	6.1662	29.9636	0.0000	17,143.6597	17,143.6597	5.0668	0.0000	17,270.3300

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					
2021	13.3048	144.7428	86.6598	0.1748	47.0163	6.7018	53.7181	23.7974	6.1662	29.9636	0.0000	17,143.6597	17,143.6597	5.0668	0.0000	17,270.3300
Maximum	13.3048	144.7428	86.6598	0.1748	47.0163	6.7018	53.7181	23.7974	6.1662	29.9636	0.0000	17,143.6597	17,143.6597	5.0668	0.0000	17,270.3300

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P2 Site Preparation	Site Preparation	9/1/2021	9/30/2021	5	22	
2	P1 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
3	P1 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	
4	P2 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
5	P2 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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
P1 Earth Work	6	12.00	0.00	400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P1 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Site Preparation	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	18.00	0.00	49.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 P2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P2 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P2 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

3.3 P1 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.3 P1 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1350	4.6606	1.1402	0.0140	0.3177	0.0142	0.3319	0.0871	0.0136	0.1007		1,537.6005	1,537.6005	0.1358		1,540.9961
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.1765	4.6876	1.4585	0.0150	0.4163	0.0149	0.4312	0.1132	0.0142	0.1274		1,635.3334	1,635.3334	0.1386		1,638.7988

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					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.3 P1 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1350	4.6606	1.1402	0.0140	0.3177	0.0142	0.3319	0.0871	0.0136	0.1007		1,537.6005	1,537.6005	0.1358		1,540.9961
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.1765	4.6876	1.4585	0.0150	0.4163	0.0149	0.4312	0.1132	0.0142	0.1274		1,635.3334	1,635.3334	0.1386		1,638.7988

3.4 P1 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919		2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.4 P1 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.4 P1 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

3.5 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.5 P2 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.5709	0.1397	1.7200e-003	0.0389	1.7400e-003	0.0407	0.0107	1.6700e-003	0.0123		188.3561	188.3561	0.0166		188.7720
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0788	0.6114	0.6171	3.1900e-003	0.1868	2.7600e-003	0.1896	0.0499	2.6100e-003	0.0525		334.9554	334.9554	0.0208		335.4760

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					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.5 P2 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.5709	0.1397	1.7200e-003	0.0389	1.7400e-003	0.0407	0.0107	1.6700e-003	0.0123		188.3561	188.3561	0.0166		188.7720
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0788	0.6114	0.6171	3.1900e-003	0.1868	2.7600e-003	0.1896	0.0499	2.6100e-003	0.0525		334.9554	334.9554	0.0208		335.4760

3.6 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.6 P2 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.6 P2 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Unmitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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
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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas**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
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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

7.0 Water Detail

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	8,800.00
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	400.00
tblTripsAndVMT	HaulingTripNumber	169.00	49.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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					
2021	13.3229	144.7961	86.6926	0.1744	47.0163	6.7021	53.7184	23.7974	6.1665	29.9639	0.0000	17,098.8719	17,098.8719	5.0715	0.0000	17,225.6578
Maximum	13.3229	144.7961	86.6926	0.1744	47.0163	6.7021	53.7184	23.7974	6.1665	29.9639	0.0000	17,098.8719	17,098.8719	5.0715	0.0000	17,225.6578

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					
2021	13.3229	144.7961	86.6926	0.1744	47.0163	6.7021	53.7184	23.7974	6.1665	29.9639	0.0000	17,098.8719	17,098.8719	5.0715	0.0000	17,225.6578
Maximum	13.3229	144.7961	86.6926	0.1744	47.0163	6.7021	53.7184	23.7974	6.1665	29.9639	0.0000	17,098.8719	17,098.8719	5.0715	0.0000	17,225.6578

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P2 Site Preparation	Site Preparation	9/1/2021	9/30/2021	5	22	
2	P1 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
3	P1 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	
4	P2 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
5	P2 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Earth Work	6	12.00	0.00	400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P1 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Site Preparation	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	18.00	0.00	49.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 P2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P2 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.656 9	3,685.656 9	1.1920		3,715.457 3

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P2 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

3.3 P1 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.3 P1 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1387	4.7008	1.2120	0.0138	0.3177	0.0145	0.3322	0.0871	0.0139	0.1010		1,511.0350	1,511.0350	0.1403		1,514.5421
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.1858	4.7311	1.5112	0.0147	0.4163	0.0152	0.4315	0.1132	0.0145	0.1277		1,602.7807	1,602.7807	0.1429		1,606.3537

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					7.1388	0.0000	7.1388	3.4333	0.0000	3.4333			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.1388	1.1599	8.2987	3.4333	1.0671	4.5004	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.3 P1 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1387	4.7008	1.2120	0.0138	0.3177	0.0145	0.3322	0.0871	0.0139	0.1010		1,511.0350	1,511.0350	0.1403		1,514.5421
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.1858	4.7311	1.5112	0.0147	0.4163	0.0152	0.4315	0.1132	0.0145	0.1277		1,602.7807	1,602.7807	0.1429		1,606.3537

3.4 P1 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919		2,871.9285	2,871.9285	0.9288		2,895.1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.4 P1 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.4 P1 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

3.5 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.5 P2 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0170	0.5759	0.1485	1.6900e-003	0.0389	1.7800e-003	0.0407	0.0107	1.7000e-003	0.0124		185.1018	185.1018	0.0172		185.5314
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0876	0.6213	0.5973	3.0700e-003	0.1868	2.8000e-003	0.1896	0.0499	2.6400e-003	0.0525		322.7203	322.7203	0.0211		323.2488

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					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.5 P2 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0170	0.5759	0.1485	1.6900e-003	0.0389	1.7800e-003	0.0407	0.0107	1.7000e-003	0.0124		185.1018	185.1018	0.0172		185.5314
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0876	0.6213	0.5973	3.0700e-003	0.1868	2.8000e-003	0.1896	0.0499	2.6400e-003	0.0525		322.7203	322.7203	0.0211		323.2488

3.6 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893		2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.6 P2 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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 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					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.6 P2 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Unmitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas**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
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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

7.0 Water Detail

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	169.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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					
2021	6.9540	74.2640	48.2090	0.0909	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,811.2513	8,811.2513	2.7921	0.0000	8,881.0538
Maximum	6.9540	74.2640	48.2090	0.0909	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,811.2513	8,811.2513	2.7921	0.0000	8,881.0538

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					
2021	6.9540	74.2640	48.2090	0.0909	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,811.2513	8,811.2513	2.7921	0.0000	8,881.0538
Maximum	6.9540	74.2640	48.2090	0.0909	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,811.2513	8,811.2513	2.7921	0.0000	8,881.0538

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Total	0.2222	0.8134	2.1965	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5224	735.5224	0.0392	0.0000	736.5022

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	
2	P2 Earth Work	Grading	10/1/2021	10/31/2021	5	22	
3	P2 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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
P1 Trail CSTN	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.2 P1 Trail CSTN - 2021**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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.3 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.3 P2 Earth Work - 2021**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					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026
Total	0.0415	0.0270	0.3183	9.8000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		97.7329	97.7329	2.7900e-003		97.8026

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.4 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

3.4 P2 Trail CSTN - 2021**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					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

4.0 Operational Detail - Mobile

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008
Unmitigated	0.2091	0.8134	2.1959	7.2400e-003	0.5973	5.9700e-003	0.6033	0.1597	5.5800e-003	0.1652		735.5211	735.5211	0.0392		736.5008

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
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
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**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	169.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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					
2021	6.9652	74.2706	48.1708	0.0908	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,799.2769	8,799.2769	2.7918	0.0000	8,869.0717
Maximum	6.9652	74.2706	48.1708	0.0908	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,799.2769	8,799.2769	2.7918	0.0000	8,869.0717

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					
2021	6.9652	74.2706	48.1708	0.0908	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,799.2769	8,799.2769	2.7918	0.0000	8,869.0717
Maximum	6.9652	74.2706	48.1708	0.0908	21.4053	3.4811	24.8864	10.3226	3.2026	13.5252	0.0000	8,799.2769	8,799.2769	2.7918	0.0000	8,869.0717

[illegible]

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

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	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Total	0.2159	0.8327	2.1943	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1303	697.1303	0.0396	0.0000	698.1213

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	
2	P2 Earth Work	Grading	10/1/2021	10/31/2021	5	22	
3	P2 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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
P1 Trail CSTN	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.2 P1 Trail CSTN - 2021**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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0826	1.1599	8.2425	3.4247	1.0671	4.4919	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.3 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.3 P2 Earth Work - 2021**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					7.0671	0.0000	7.0671	3.4234	0.0000	3.4234			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0671	1.1599	8.2270	3.4234	1.0671	4.4906	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116
Total	0.0471	0.0303	0.2992	9.2000e-004	0.0986	6.8000e-004	0.0993	0.0262	6.3000e-004	0.0268		91.7457	91.7457	2.6400e-003		91.8116

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.4 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

3.4 P2 Trail CSTN - 2021**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					7.0585	0.0000	7.0585	3.4221	0.0000	3.4221			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	7.0585	1.1599	8.2184	3.4221	1.0671	4.4893	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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

4.0 Operational Detail - Mobile

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200
Unmitigated	0.2028	0.8327	2.1937	6.8600e-003	0.5973	6.0300e-003	0.6033	0.1597	5.6300e-003	0.1653		697.1291	697.1291	0.0396		698.1200

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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
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
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**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Unmitigated	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003
Total	0.0131	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2700e-003	1.2700e-003	0.0000		1.3500e-003

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**

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

C-2 Greenhouse Gas Emissions Modeling

GHG Worksheet Summary

Maximum Annual Emissions

Emissions (tpy)	Bio CO2	nBio CO2	Total CO2	CH4	N2O	CO2e
Construction	0.00	170.83	170.83	0.05	0.00	172.09
Operations	0.10	60.82	60.92	0.01	0.00	61.21
SD County Thresholds (lb/day)	n/a	n/a	n/a	n/a	n/a	
Exceed Threshold?	n/a	n/a	n/a	n/a	n/a	

Amortized GHG Emissions

Total Construction GHG Emissions (MT/yr)	172.09
20-Year Amortized Construction GHG Emissions	8.60
Annual Operations GHG Emissions (MT/yr)	61.21
Total Annual Amortized GHG Emissions (MT/yr)	69.81
Threshold (MT/yr)	900
Exceed Threshold?	no

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Annual

Loma Alta Slough Wetlands Enhancement Project

San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	22.00
tblTripsAndVMT	HaulingTripNumber	0.00	420.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Annual

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					
2021	0.0455	0.5011	0.2545	6.0000e-004	0.2050	0.0227	0.2276	0.1109	0.0209	0.1318	0.0000	55.0851	55.0851	0.0134	0.0000	55.4202
Maximum	0.0455	0.5011	0.2545	6.0000e-004	0.2050	0.0227	0.2276	0.1109	0.0209	0.1318	0.0000	55.0851	55.0851	0.0134	0.0000	55.4202

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					
2021	0.0455	0.5011	0.2545	6.0000e-004	0.2050	0.0227	0.2276	0.1109	0.0209	0.1318	0.0000	55.0850	55.0850	0.0134	0.0000	55.4201
Maximum	0.0455	0.5011	0.2545	6.0000e-004	0.2050	0.0227	0.2276	0.1109	0.0209	0.1318	0.0000	55.0850	55.0850	0.0134	0.0000	55.4201

Loma Alta Slough Wetlands Enhancement Project - San Diego Air Basin, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.5313	0.5313
		Highest	0.5313	0.5313

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	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0**Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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
P1 Site Preparation	7	30.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 P1 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767
Total	0.0428	0.4455	0.2327	4.2000e-004	0.1987	0.0225	0.2212	0.1092	0.0207	0.1299	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767

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	1.5800e-003	0.0548	0.0135	1.6000e-004	3.5900e-003	1.7000e-004	3.7600e-003	9.9000e-004	1.6000e-004	1.1500e-003	0.0000	15.9940	15.9940	1.4400e-003	0.0000	16.0301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.2000e-004	8.2400e-003	3.0000e-005	2.6500e-003	2.0000e-005	2.6700e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3117	2.3117	7.0000e-005	0.0000	2.3134
Total	2.7300e-003	0.0557	0.0218	1.9000e-004	6.2400e-003	1.9000e-004	6.4300e-003	1.6900e-003	1.8000e-004	1.8700e-003	0.0000	18.3058	18.3058	1.5100e-003	0.0000	18.3435

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3.2 P1 Site Preparation - 2021**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					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766
Total	0.0428	0.4455	0.2327	4.2000e-004	0.1987	0.0225	0.2212	0.1092	0.0207	0.1299	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766

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	1.5800e-003	0.0548	0.0135	1.6000e-004	3.5900e-003	1.7000e-004	3.7600e-003	9.9000e-004	1.6000e-004	1.1500e-003	0.0000	15.9940	15.9940	1.4400e-003	0.0000	16.0301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.2000e-004	8.2400e-003	3.0000e-005	2.6500e-003	2.0000e-005	2.6700e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3117	2.3117	7.0000e-005	0.0000	2.3134
Total	2.7300e-003	0.0557	0.0218	1.9000e-004	6.2400e-003	1.9000e-004	6.4300e-003	1.6900e-003	1.8000e-004	1.8700e-003	0.0000	18.3058	18.3058	1.5100e-003	0.0000	18.3435

4.0 Operational Detail - Mobile

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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	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Unmitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

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5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Unmitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.0913	1.0100e-003	2.1000e-004	25.1788
Unmitigated	25.0913	1.0100e-003	2.1000e-004	25.1788

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1015	6.0000e-003	0.0000	0.2515
Unmitigated	0.1015	6.0000e-003	0.0000	0.2515

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	MaterialExported	0.00	8,800.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	420.00
tblTripsAndVMT	WorkerTripNumber	15.00	22.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0264	0.3127	0.1852	4.8000e-004	0.0804	0.0124	0.0927	0.0375	0.0114	0.0489	0.0000	44.2416	44.2416	0.0103	0.0000	44.4984
Maximum	0.0264	0.3127	0.1852	4.8000e-004	0.0804	0.0124	0.0927	0.0375	0.0114	0.0489	0.0000	44.2416	44.2416	0.0103	0.0000	44.4984

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					
2021	0.0264	0.3127	0.1852	4.8000e-004	0.0804	0.0124	0.0927	0.0375	0.0114	0.0489	0.0000	44.2416	44.2416	0.0103	0.0000	44.4984
Maximum	0.0264	0.3127	0.1852	4.8000e-004	0.0804	0.0124	0.0927	0.0375	0.0114	0.0489	0.0000	44.2416	44.2416	0.0103	0.0000	44.4984

[illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.3449	0.3449
		Highest	0.3449	0.3449

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	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Earth Work	Grading	8/1/2021	8/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0**Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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
P1 Earth Work	6	22.00	0.00	420.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 P1 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0750	0.0000	0.0750	0.0361	0.0000	0.0361	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0750	0.0122	0.0871	0.0361	0.0112	0.0473	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776

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	1.5100e-003	0.0524	0.0129	1.5000e-004	3.5500e-003	1.6000e-004	3.7100e-003	9.7000e-004	1.5000e-004	1.1200e-003	0.0000	15.2670	15.2670	1.3800e-003	0.0000	15.3015
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	5.7000e-004	5.7700e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8700e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6182	1.6182	5.0000e-005	0.0000	1.6194
Total	2.3100e-003	0.0529	0.0187	1.7000e-004	5.4000e-003	1.7000e-004	5.5800e-003	1.4600e-003	1.6000e-004	1.6200e-003	0.0000	16.8853	16.8853	1.4300e-003	0.0000	16.9209

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3.2 P1 Earth Work - 2021**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					0.0750	0.0000	0.0750	0.0361	0.0000	0.0361	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0750	0.0122	0.0871	0.0361	0.0112	0.0473	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775

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	1.5100e-003	0.0524	0.0129	1.5000e-004	3.5500e-003	1.6000e-004	3.7100e-003	9.7000e-004	1.5000e-004	1.1200e-003	0.0000	15.2670	15.2670	1.3800e-003	0.0000	15.3015
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	5.7000e-004	5.7700e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8700e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6182	1.6182	5.0000e-005	0.0000	1.6194
Total	2.3100e-003	0.0529	0.0187	1.7000e-004	5.4000e-003	1.7000e-004	5.5800e-003	1.4600e-003	1.6000e-004	1.6200e-003	0.0000	16.8853	16.8853	1.4300e-003	0.0000	16.9209

4.0 Operational Detail - Mobile

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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	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Unmitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

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5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Unmitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.0913	1.0100e-003	2.1000e-004	25.1788
Unmitigated	25.0913	1.0100e-003	2.1000e-004	25.1788

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1015	6.0000e-003	0.0000	0.2515
Unmitigated	0.1015	6.0000e-003	0.0000	0.2515

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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Loma Alta Slough Wetlands Enhancement Project

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	8,800.00
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	1,100.00	400.00
tblTripsAndVMT	HaulingTripNumber	169.00	49.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1464	1.5933	0.9531	1.9200e-003	0.5170	0.0737	0.5908	0.2617	0.0678	0.3296	0.0000	170.8257	170.8257	0.0506	0.0000	172.0902
Maximum	0.1464	1.5933	0.9531	1.9200e-003	0.5170	0.0737	0.5908	0.2617	0.0678	0.3296	0.0000	170.8257	170.8257	0.0506	0.0000	172.0902

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					
2021	0.1464	1.5933	0.9531	1.9200e-003	0.5170	0.0737	0.5908	0.2617	0.0678	0.3296	0.0000	170.8255	170.8255	0.0506	0.0000	172.0900
Maximum	0.1464	1.5933	0.9531	1.9200e-003	0.5170	0.0737	0.5908	0.2617	0.0678	0.3296	0.0000	170.8255	170.8255	0.0506	0.0000	172.0900

[illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	1.6934	1.6934
		Highest	1.6934	1.6934

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	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P2 Site Preparation	Site Preparation	9/1/2021	9/30/2021	5	22	
2	P1 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
3	P1 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	
4	P2 Earth Work	Grading	9/1/2021	9/30/2021	5	22	
5	P2 Trail CSTN	Grading	9/1/2021	9/30/2021	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Earth Work	Excavators	1	8.00	158	0.38
P1 Earth Work	Graders	1	8.00	187	0.41
P1 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P1 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Earth Work	6	12.00	0.00	400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P1 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Site Preparation	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	18.00	0.00	49.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 P2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767
Total	0.0428	0.4455	0.2327	4.2000e-004	0.1987	0.0225	0.2212	0.1092	0.0207	0.1299	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767

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3.2 P2 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766
Total	0.0428	0.4455	0.2327	4.2000e-004	0.1987	0.0225	0.2212	0.1092	0.0207	0.1299	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766

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3.2 P2 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.3 P1 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0785	0.0000	0.0785	0.0378	0.0000	0.0378	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0785	0.0128	0.0913	0.0378	0.0117	0.0495	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908

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3.3 P1 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-003	0.0522	0.0129	1.5000e-004	3.4200e-003	1.6000e-004	3.5800e-003	9.4000e-004	1.5000e-004	1.0900e-003	0.0000	15.2324	15.2324	1.3700e-003	0.0000	15.2668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.3000e-004	3.3000e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9247	0.9247	3.0000e-005	0.0000	0.9254
Total	1.9600e-003	0.0526	0.0162	1.6000e-004	4.4800e-003	1.7000e-004	4.6500e-003	1.2200e-003	1.6000e-004	1.3800e-003	0.0000	16.1571	16.1571	1.4000e-003	0.0000	16.1921

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					0.0785	0.0000	0.0785	0.0378	0.0000	0.0378	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0785	0.0128	0.0913	0.0378	0.0117	0.0495	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908

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3.3 P1 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-003	0.0522	0.0129	1.5000e-004	3.4200e-003	1.6000e-004	3.5800e-003	9.4000e-004	1.5000e-004	1.0900e-003	0.0000	15.2324	15.2324	1.3700e-003	0.0000	15.2668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.3000e-004	3.3000e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9247	0.9247	3.0000e-005	0.0000	0.9254
Total	1.9600e-003	0.0526	0.0162	1.6000e-004	4.4800e-003	1.7000e-004	4.6500e-003	1.2200e-003	1.6000e-004	1.3800e-003	0.0000	16.1571	16.1571	1.4000e-003	0.0000	16.1921

3.4 P1 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0779	0.0000	0.0779	0.0377	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0779	0.0128	0.0907	0.0377	0.0117	0.0494	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908

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3.4 P1 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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					0.0779	0.0000	0.0779	0.0377	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0779	0.0128	0.0907	0.0377	0.0117	0.0494	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908

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3.4 P1 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.5 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0777	0.0000	0.0777	0.0377	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0777	0.0128	0.0905	0.0377	0.0117	0.0494	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908

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3.5 P2 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	6.4000e-003	1.5800e-003	2.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	1.8660	1.8660	1.7000e-004	0.0000	1.8702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	4.9000e-004	4.9500e-003	2.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3870	1.3870	4.0000e-005	0.0000	1.3880
Total	8.7000e-004	6.8900e-003	6.5300e-003	4.0000e-005	2.0100e-003	3.0000e-005	2.0400e-003	5.4000e-004	3.0000e-005	5.6000e-004	0.0000	3.2530	3.2530	2.1000e-004	0.0000	3.2582

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					0.0777	0.0000	0.0777	0.0377	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0777	0.0128	0.0905	0.0377	0.0117	0.0494	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908

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3.5 P2 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	6.4000e-003	1.5800e-003	2.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	1.8660	1.8660	1.7000e-004	0.0000	1.8702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	4.9000e-004	4.9500e-003	2.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3870	1.3870	4.0000e-005	0.0000	1.3880
Total	8.7000e-004	6.8900e-003	6.5300e-003	4.0000e-005	2.0100e-003	3.0000e-005	2.0400e-003	5.4000e-004	3.0000e-005	5.6000e-004	0.0000	3.2530	3.2530	2.1000e-004	0.0000	3.2582

3.6 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0776	0.0000	0.0776	0.0376	0.0000	0.0376	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0776	0.0128	0.0904	0.0376	0.0117	0.0494	0.0000	28.6591	28.6591	9.2700e-003	0.0000	28.8908

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3.6 P2 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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					0.0776	0.0000	0.0776	0.0376	0.0000	0.0376	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2721	0.1744	3.3000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908
Total	0.0252	0.2721	0.1744	3.3000e-004	0.0776	0.0128	0.0904	0.0376	0.0117	0.0494	0.0000	28.6590	28.6590	9.2700e-003	0.0000	28.8908

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3.6 P2 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Unmitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

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5.2 Energy by Land Use - NaturalGas**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
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
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		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	tons/yr										MT/yr					
Mitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Unmitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.0913	1.0100e-003	2.1000e-004	25.1788
Unmitigated	25.0913	1.0100e-003	2.1000e-004	25.1788

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1015	6.0000e-003	0.0000	0.2515
Unmitigated	0.1015	6.0000e-003	0.0000	0.2515

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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Loma Alta Slough Wetlands Enhancement Project

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.80	Acre	5.80	252,648.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
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 -

Construction Phase - Construction schedule from PD

Off-road Equipment - Assuming default offroad equipment

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	22.00
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	AcresOfGrading	11.00	21.50
tblGrading	MaterialExported	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	169.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0730	0.7798	0.5058	9.5000e-004	0.2247	0.0366	0.2613	0.1084	0.0336	0.1420	0.0000	83.8345	83.8345	0.0266	0.0000	84.4993
Maximum	0.0730	0.7798	0.5058	9.5000e-004	0.2247	0.0366	0.2613	0.1084	0.0336	0.1420	0.0000	83.8345	83.8345	0.0266	0.0000	84.4993

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					
2021	0.0730	0.7798	0.5058	9.5000e-004	0.2247	0.0366	0.2613	0.1084	0.0336	0.1420	0.0000	83.8344	83.8344	0.0266	0.0000	84.4992
Maximum	0.0730	0.7798	0.5058	9.5000e-004	0.2247	0.0366	0.2613	0.1084	0.0336	0.1420	0.0000	83.8344	83.8344	0.0266	0.0000	84.4992

[illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
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	0.0000
Mobile	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Waste						0.0000	0.0000		0.0000	0.0000	0.1015	0.0000	0.1015	6.0000e-003	0.0000	0.2515
Water						0.0000	0.0000		0.0000	0.0000	0.0000	25.0913	25.0913	1.0100e-003	2.1000e-004	25.1788
Total	0.0134	0.0468	0.1209	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.1015	60.8209	60.9224	8.9900e-003	2.1000e-004	61.2095

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	
2	P2 Earth Work	Grading	10/1/2021	10/31/2021	5	22	
3	P2 Trail CSTN	Grading	10/1/2021	10/31/2021	5	22	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Trail CSTN	Excavators	1	8.00	158	0.38
P1 Trail CSTN	Graders	1	8.00	187	0.41
P1 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P1 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Earth Work	Excavators	1	8.00	158	0.38
P2 Earth Work	Graders	1	8.00	187	0.41
P2 Earth Work	Rubber Tired Dozers	1	8.00	247	0.40
P2 Earth Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Trail CSTN	Excavators	1	8.00	158	0.38
P2 Trail CSTN	Graders	1	8.00	187	0.41
P2 Trail CSTN	Rubber Tired Dozers	1	8.00	247	0.40
P2 Trail CSTN	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Trail CSTN	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Earth Work	6	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P2 Trail CSTN	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 P1 Trail CSTN - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0744	0.0000	0.0744	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0744	0.0122	0.0866	0.0360	0.0112	0.0472	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776

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3.2 P1 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833
Total	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833

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					0.0744	0.0000	0.0744	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0744	0.0122	0.0866	0.0360	0.0112	0.0472	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775

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3.2 P1 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833
Total	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833

3.3 P2 Earth Work - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0742	0.0000	0.0742	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0742	0.0122	0.0864	0.0360	0.0112	0.0472	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776

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3.3 P2 Earth Work - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833
Total	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833

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					0.0742	0.0000	0.0742	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0742	0.0122	0.0864	0.0360	0.0112	0.0472	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775

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3.3 P2 Earth Work - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833
Total	4.4000e-004	3.1000e-004	3.1500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8827	0.8827	3.0000e-005	0.0000	0.8833

3.4 P2 Trail CSTN - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0741	0.0000	0.0741	0.0359	0.0000	0.0359	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0741	0.0122	0.0863	0.0359	0.0112	0.0471	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5776

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3.4 P2 Trail CSTN - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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					0.0741	0.0000	0.0741	0.0359	0.0000	0.0359	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2597	0.1665	3.1000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775
Total	0.0241	0.2597	0.1665	3.1000e-004	0.0741	0.0122	0.0863	0.0359	0.0112	0.0471	0.0000	27.3564	27.3564	8.8500e-003	0.0000	27.5775

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3.4 P2 Trail CSTN - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791
Unmitigated	0.0110	0.0468	0.1208	3.9000e-004	0.0326	3.4000e-004	0.0330	8.7400e-003	3.1000e-004	9.0500e-003	0.0000	35.7295	35.7295	1.9800e-003	0.0000	35.7791

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.96	131.95	97.09	86,569	86,569
Total	10.96	131.95	97.09	86,569	86,569

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

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5.2 Energy by Land Use - NaturalGas**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
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
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		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	tons/yr										MT/yr					
Mitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Unmitigated	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Total	2.3800e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.0913	1.0100e-003	2.1000e-004	25.1788
Unmitigated	25.0913	1.0100e-003	2.1000e-004	25.1788

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.91059	25.0913	1.0100e-003	2.1000e-004	25.1788
Total		25.0913	1.0100e-003	2.1000e-004	25.1788

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1015	6.0000e-003	0.0000	0.2515
Unmitigated	0.1015	6.0000e-003	0.0000	0.2515

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
Total		0.1015	6.0000e-003	0.0000	0.2515

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
