

Appendix A

MacLaren Community Park - Los Angeles-South Coast County, Annual

MacLaren Community Park
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.60	Acre	5.60	243,936.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 phases and durations per client.

Off-road Equipment - Equipment types and daily usage per client.

Off-road Equipment - Equipment types and daily usages per client.

Grading -

Demolition -

Construction Off-road Equipment Mitigation -

MacLaren Community Park - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	PhaseEndDate	1/27/2023	6/30/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	7/5/2023
tblGrading	MaterialExported	0.00	33,328.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

MacLaren Community Park - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	0.9534	0.9534
2	4-2-2023	7-1-2023	0.9530	0.9530
3	7-2-2023	9-30-2023	0.8929	0.8929
		Highest	0.9534	0.9534

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	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-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	9.2700e-003	0.0437	0.1193	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0000	44.3067	44.3067	2.0900e-003	0.0000	44.3589
Waste						0.0000	0.0000		0.0000	0.0000	0.0974	0.0000	0.0974	5.7600e-003	0.0000	0.2414
Water						0.0000	0.0000		0.0000	0.0000	0.0000	23.6192	23.6192	9.8000e-004	2.0000e-004	23.7037
Total	0.0116	0.0437	0.1194	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0974	67.9259	68.0234	8.8300e-003	2.0000e-004	68.3040

MacLaren Community Park - Los Angeles-South Coast County, Annual

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	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-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	9.2700e-003	0.0437	0.1193	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0000	44.3067	44.3067	2.0900e-003	0.0000	44.3589
Waste						0.0000	0.0000		0.0000	0.0000	0.0974	0.0000	0.0974	5.7600e-003	0.0000	0.2414
Water						0.0000	0.0000		0.0000	0.0000	0.0000	23.6192	23.6192	9.8000e-004	2.0000e-004	23.7037
Total	0.0116	0.0437	0.1194	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0974	67.9259	68.0234	8.8300e-003	2.0000e-004	68.3040

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/2/2023	6/30/2023	5	130	
2	Grading	Grading	7/5/2023	10/6/2023	5	68	

MacLaren Community Park - Los Angeles-South Coast County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 34

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
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	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
Demolition	9	10.00	0.00	593.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	4,166.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

MacLaren Community Park - Los Angeles-South Coast County, Annual

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0641	0.0000	0.0641	9.7100e-003	0.0000	9.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1770	1.6959	1.7119	3.1300e-003		0.0796	0.0796		0.0739	0.0739	0.0000	274.2976	274.2976	0.0791	0.0000	276.2759
Total	0.1770	1.6959	1.7119	3.1300e-003	0.0641	0.0796	0.1438	9.7100e-003	0.0739	0.0836	0.0000	274.2976	274.2976	0.0791	0.0000	276.2759

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	1.5600e-003	0.0500	0.0172	2.2000e-004	5.1000e-003	9.0000e-005	5.1900e-003	1.4000e-003	9.0000e-005	1.4900e-003	0.0000	21.4032	21.4032	1.4300e-003	0.0000	21.4390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4700e-003	1.7800e-003	0.0208	7.0000e-005	7.1200e-003	6.0000e-005	7.1800e-003	1.8900e-003	5.0000e-005	1.9400e-003	0.0000	5.9751	5.9751	1.5000e-004	0.0000	5.9789
Total	4.0300e-003	0.0518	0.0380	2.9000e-004	0.0122	1.5000e-004	0.0124	3.2900e-003	1.4000e-004	3.4300e-003	0.0000	27.3782	27.3782	1.5800e-003	0.0000	27.4179

MacLaren Community Park - Los Angeles-South Coast County, Annual

3.2 Demolition - 2023

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					0.0250	0.0000	0.0250	3.7900e-003	0.0000	3.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1770	1.6959	1.7119	3.1300e-003		0.0796	0.0796		0.0739	0.0739	0.0000	274.2973	274.2973	0.0791	0.0000	276.2756
Total	0.1770	1.6959	1.7119	3.1300e-003	0.0250	0.0796	0.1046	3.7900e-003	0.0739	0.0777	0.0000	274.2973	274.2973	0.0791	0.0000	276.2756

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	1.5600e-003	0.0500	0.0172	2.2000e-004	5.1000e-003	9.0000e-005	5.1900e-003	1.4000e-003	9.0000e-005	1.4900e-003	0.0000	21.4032	21.4032	1.4300e-003	0.0000	21.4390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4700e-003	1.7800e-003	0.0208	7.0000e-005	7.1200e-003	6.0000e-005	7.1800e-003	1.8900e-003	5.0000e-005	1.9400e-003	0.0000	5.9751	5.9751	1.5000e-004	0.0000	5.9789
Total	4.0300e-003	0.0518	0.0380	2.9000e-004	0.0122	1.5000e-004	0.0124	3.2900e-003	1.4000e-004	3.4300e-003	0.0000	27.3782	27.3782	1.5800e-003	0.0000	27.4179

MacLaren Community Park - Los Angeles-South Coast County, Annual

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2247	0.0000	0.2247	0.1148	0.0000	0.1148	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0530	0.5576	0.4257	9.0000e-004		0.0238	0.0238		0.0219	0.0219	0.0000	79.3042	79.3042	0.0257	0.0000	79.9454
Total	0.0530	0.5576	0.4257	9.0000e-004	0.2247	0.0238	0.2484	0.1148	0.0219	0.1367	0.0000	79.3042	79.3042	0.0257	0.0000	79.9454

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	0.0110	0.3511	0.1206	1.5200e-003	0.0358	6.3000e-004	0.0364	9.8300e-003	6.0000e-004	0.0104	0.0000	150.3637	150.3637	0.0101	0.0000	150.6156
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	1.2900e-003	9.3000e-004	0.0109	3.0000e-005	3.7300e-003	3.0000e-005	3.7500e-003	9.9000e-004	3.0000e-005	1.0200e-003	0.0000	3.1254	3.1254	8.0000e-005	0.0000	3.1274
Total	0.0123	0.3521	0.1315	1.5500e-003	0.0395	6.6000e-004	0.0402	0.0108	6.3000e-004	0.0115	0.0000	153.4891	153.4891	0.0102	0.0000	153.7430

MacLaren Community Park - Los Angeles-South Coast County, Annual

3.3 Grading - 2023

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					0.0876	0.0000	0.0876	0.0448	0.0000	0.0448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0530	0.5576	0.4257	9.0000e-004		0.0238	0.0238		0.0219	0.0219	0.0000	79.3041	79.3041	0.0257	0.0000	79.9453
Total	0.0530	0.5576	0.4257	9.0000e-004	0.0876	0.0238	0.1114	0.0448	0.0219	0.0666	0.0000	79.3041	79.3041	0.0257	0.0000	79.9453

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	0.0110	0.3511	0.1206	1.5200e-003	0.0358	6.3000e-004	0.0364	9.8300e-003	6.0000e-004	0.0104	0.0000	150.3637	150.3637	0.0101	0.0000	150.6156
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	1.2900e-003	9.3000e-004	0.0109	3.0000e-005	3.7300e-003	3.0000e-005	3.7500e-003	9.9000e-004	3.0000e-005	1.0200e-003	0.0000	3.1254	3.1254	8.0000e-005	0.0000	3.1274
Total	0.0123	0.3521	0.1315	1.5500e-003	0.0395	6.6000e-004	0.0402	0.0108	6.3000e-004	0.0115	0.0000	153.4891	153.4891	0.0102	0.0000	153.7430

4.0 Operational Detail - Mobile

MacLaren Community Park - Los Angeles-South Coast County, Annual

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	9.2700e-003	0.0437	0.1193	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0000	44.3067	44.3067	2.0900e-003	0.0000	44.3589
Unmitigated	9.2700e-003	0.0437	0.1193	4.8000e-004	0.0428	3.7000e-004	0.0431	0.0115	3.4000e-004	0.0118	0.0000	44.3067	44.3067	2.0900e-003	0.0000	44.3589

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.58	127.40	93.74	112,661	112,661
Total	10.58	127.40	93.74	112,661	112,661

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	16.60	8.40	6.90	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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

MacLaren Community Park - Los Angeles-South Coast County, Annual

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

MacLaren Community Park - Los Angeles-South Coast County, 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
Category	tons/yr										MT/yr					
Mitigated	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-004
Unmitigated	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-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	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-004
Total	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-004

MacLaren Community Park - Los Angeles-South Coast County, Annual

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	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-004
Total	2.3000e-003	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.5000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

MacLaren Community Park - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.6192	9.8000e-004	2.0000e-004	23.7037
Unmitigated	23.6192	9.8000e-004	2.0000e-004	23.7037

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.6723	23.6192	9.8000e-004	2.0000e-004	23.7037
Total		23.6192	9.8000e-004	2.0000e-004	23.7037

MacLaren Community Park - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.6723	23.6192	9.8000e-004	2.0000e-004	23.7037
Total		23.6192	9.8000e-004	2.0000e-004	23.7037

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0974	5.7600e-003	0.0000	0.2414
Unmitigated	0.0974	5.7600e-003	0.0000	0.2414

MacLaren Community Park - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.48	0.0974	5.7600e-003	0.0000	0.2414
Total		0.0974	5.7600e-003	0.0000	0.2414

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.48	0.0974	5.7600e-003	0.0000	0.2414
Total		0.0974	5.7600e-003	0.0000	0.2414

9.0 Operational Offroad

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

MacLaren Community Park - Los Angeles-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

MacLaren Community Park - Los Angeles-South Coast County, Summer

MacLaren Community Park
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.60	Acre	5.60	243,936.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 phases and durations per client.

Off-road Equipment - Equipment types and daily usage per client.

Off-road Equipment - Equipment types and daily usages per client.

Grading -

Demolition -

Construction Off-road Equipment Mitigation -

MacLaren Community Park - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	PhaseEndDate	1/27/2023	6/30/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	7/5/2023
tblGrading	MaterialExported	0.00	33,328.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.1757	0.7541	2.2106	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0504	904.0504	0.0414		905.0841
Total	0.1883	0.7541	2.2112	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0516	904.0516	0.0414	0.0000	905.0855

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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.1757	0.7541	2.2106	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0504	904.0504	0.0414		905.0841
Total	0.1883	0.7541	2.2112	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0516	904.0516	0.0414	0.0000	905.0855

MacLaren Community Park - Los Angeles-South Coast County, 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	Demolition	Demolition	1/2/2023	6/30/2023	5	130	
2	Grading	Grading	7/5/2023	10/6/2023	5	68	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 34

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
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

MacLaren Community Park - Los Angeles-South Coast County, Summer

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
Demolition	9	10.00	0.00	593.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	4,166.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9866	0.0000	0.9866	0.1494	0.0000	0.1494			0.0000			0.0000
Off-Road	2.7232	26.0915	26.3373	0.0482		1.2250	1.2250		1.1372	1.1372		4,651.7135	4,651.7135	1.3420		4,685.2630
Total	2.7232	26.0915	26.3373	0.0482	0.9866	1.2250	2.2116	0.1494	1.1372	1.2866		4,651.7135	4,651.7135	1.3420		4,685.2630

MacLaren Community Park - Los Angeles-South Coast County, Summer

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	0.7499	0.2592	3.3600e-003	0.0798	1.3600e-003	0.0811	0.0219	1.3000e-003	0.0232		365.6369	365.6369	0.0240		366.2374
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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.0615	0.7740	0.6014	4.4200e-003	0.1916	2.2100e-003	0.1938	0.0515	2.0800e-003	0.0536		471.4851	471.4851	0.0268		472.1540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3848	0.0000	0.3848	0.0583	0.0000	0.0583			0.0000			0.0000
Off-Road	2.7232	26.0915	26.3373	0.0482		1.2250	1.2250		1.1372	1.1372	0.0000	4,651.7135	4,651.7135	1.3420		4,685.2630
Total	2.7232	26.0915	26.3373	0.0482	0.3848	1.2250	1.6098	0.0583	1.1372	1.1955	0.0000	4,651.7135	4,651.7135	1.3420		4,685.2630

MacLaren Community Park - Los Angeles-South Coast County, Summer

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	0.7499	0.2592	3.3600e-003	0.0798	1.3600e-003	0.0811	0.0219	1.3000e-003	0.0232		365.6369	365.6369	0.0240		366.2374
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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.0615	0.7740	0.6014	4.4200e-003	0.1916	2.2100e-003	0.1938	0.0515	2.0800e-003	0.0536		471.4851	471.4851	0.0268		472.1540

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6078	0.0000	6.6078	3.3759	0.0000	3.3759			0.0000			0.0000
Off-Road	1.5595	16.4002	12.5194	0.0266		0.6991	0.6991		0.6432	0.6432		2,571.1145	2,571.1145	0.8316		2,591.9033
Total	1.5595	16.4002	12.5194	0.0266	6.6078	0.6991	7.3069	3.3759	0.6432	4.0191		2,571.1145	2,571.1145	0.8316		2,591.9033

MacLaren Community Park - Los Angeles-South Coast County, Summer

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3188	10.0713	3.4816	0.0451	1.0713	0.0183	1.0896	0.2937	0.0175	0.3111		4,910.7633	4,910.7633	0.3226		4,918.8290
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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.3566	10.0954	3.8238	0.0462	1.1831	0.0191	1.2022	0.3233	0.0182	0.3416		5,016.6115	5,016.6115	0.3254		5,024.7456

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					2.5770	0.0000	2.5770	1.3166	0.0000	1.3166			0.0000			0.0000
Off-Road	1.5595	16.4002	12.5194	0.0266		0.6991	0.6991		0.6432	0.6432	0.0000	2,571.1145	2,571.1145	0.8316		2,591.9033
Total	1.5595	16.4002	12.5194	0.0266	2.5770	0.6991	3.2761	1.3166	0.6432	1.9598	0.0000	2,571.1145	2,571.1145	0.8316		2,591.9033

MacLaren Community Park - Los Angeles-South Coast County, Summer

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3188	10.0713	3.4816	0.0451	1.0713	0.0183	1.0896	0.2937	0.0175	0.3111		4,910.7633	4,910.7633	0.3226		4,918.8290
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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.3566	10.0954	3.8238	0.0462	1.1831	0.0191	1.2022	0.3233	0.0182	0.3416		5,016.6115	5,016.6115	0.3254		5,024.7456

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

MacLaren Community Park - Los Angeles-South Coast County, 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	0.1757	0.7541	2.2106	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0504	904.0504	0.0414		905.0841
Unmitigated	0.1757	0.7541	2.2106	8.8600e-003	0.7794	6.5600e-003	0.7859	0.2085	6.0900e-003	0.2146		904.0504	904.0504	0.0414		905.0841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.58	127.40	93.74	112,661	112,661
Total	10.58	127.40	93.74	112,661	112,661

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	16.60	8.40	6.90	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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

MacLaren Community Park - Los Angeles-South Coast County, 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

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Unmitigated	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Total	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Total	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003

7.0 Water Detail

MacLaren Community Park - Los Angeles-South Coast County, 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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

MacLaren Community Park - Los Angeles-South Coast County, Winter

MacLaren Community Park
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.60	Acre	5.60	243,936.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 phases and durations per client.

Off-road Equipment - Equipment types and daily usage per client.

Off-road Equipment - Equipment types and daily usages per client.

Grading -

Demolition -

Construction Off-road Equipment Mitigation -

MacLaren Community Park - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	PhaseEndDate	1/27/2023	6/30/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	7/5/2023
tblGrading	MaterialExported	0.00	33,328.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.1700	0.7685	2.1040	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8859	860.8859	0.0414		861.9200
Total	0.1826	0.7685	2.1045	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8871	860.8871	0.0414	0.0000	861.9214

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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.1700	0.7685	2.1040	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8859	860.8859	0.0414		861.9200
Total	0.1826	0.7685	2.1045	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8871	860.8871	0.0414	0.0000	861.9214

MacLaren Community Park - Los Angeles-South Coast County, 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	Demolition	Demolition	1/2/2023	6/30/2023	5	130	
2	Grading	Grading	7/5/2023	10/6/2023	5	68	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 34

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
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

MacLaren Community Park - Los Angeles-South Coast County, Winter

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
Demolition	9	10.00	0.00	593.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	4,166.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9866	0.0000	0.9866	0.1494	0.0000	0.1494			0.0000			0.0000
Off-Road	2.7232	26.0915	26.3373	0.0482		1.2250	1.2250		1.1372	1.1372		4,651.7135	4,651.7135	1.3420		4,685.2630
Total	2.7232	26.0915	26.3373	0.0482	0.9866	1.2250	2.2116	0.1494	1.1372	1.2866		4,651.7135	4,651.7135	1.3420		4,685.2630

MacLaren Community Park - Los Angeles-South Coast County, Winter

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0243	0.7551	0.2703	3.3000e-003	0.0798	1.4000e-003	0.0812	0.0219	1.3400e-003	0.0232		359.2842	359.2842	0.0247		359.9019
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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.0665	0.7818	0.5821	4.3000e-003	0.1916	2.2500e-003	0.1938	0.0515	2.1200e-003	0.0536		458.9563	458.9563	0.0273		459.6381

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3848	0.0000	0.3848	0.0583	0.0000	0.0583			0.0000			0.0000
Off-Road	2.7232	26.0915	26.3373	0.0482		1.2250	1.2250		1.1372	1.1372	0.0000	4,651.7135	4,651.7135	1.3420		4,685,2630
Total	2.7232	26.0915	26.3373	0.0482	0.3848	1.2250	1.6098	0.0583	1.1372	1.1955	0.0000	4,651.7135	4,651.7135	1.3420		4,685,2630

MacLaren Community Park - Los Angeles-South Coast County, Winter

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0243	0.7551	0.2703	3.3000e-003	0.0798	1.4000e-003	0.0812	0.0219	1.3400e-003	0.0232		359.2842	359.2842	0.0247		359.9019
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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.0665	0.7818	0.5821	4.3000e-003	0.1916	2.2500e-003	0.1938	0.0515	2.1200e-003	0.0536		458.9563	458.9563	0.0273		459.6381

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6078	0.0000	6.6078	3.3759	0.0000	3.3759			0.0000			0.0000
Off-Road	1.5595	16.4002	12.5194	0.0266		0.6991	0.6991		0.6432	0.6432		2,571.1145	2,571.1145	0.8316		2,591.9033
Total	1.5595	16.4002	12.5194	0.0266	6.6078	0.6991	7.3069	3.3759	0.6432	4.0191		2,571.1145	2,571.1145	0.8316		2,591.9033

MacLaren Community Park - Los Angeles-South Coast County, Winter

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3268	10.1421	3.6304	0.0443	1.0713	0.0188	1.0901	0.2937	0.0179	0.3116		4,825.4424	4,825.4424	0.3319		4,833.7389
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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.3690	10.1687	3.9422	0.0453	1.1831	0.0196	1.2027	0.3233	0.0187	0.3421		4,925.1144	4,925.1144	0.3344		4,933.4751

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					2.5770	0.0000	2.5770	1.3166	0.0000	1.3166			0.0000			0.0000
Off-Road	1.5595	16.4002	12.5194	0.0266		0.6991	0.6991		0.6432	0.6432	0.0000	2,571.1145	2,571.1145	0.8316		2,591.9033
Total	1.5595	16.4002	12.5194	0.0266	2.5770	0.6991	3.2761	1.3166	0.6432	1.9598	0.0000	2,571.1145	2,571.1145	0.8316		2,591.9033

MacLaren Community Park - Los Angeles-South Coast County, Winter

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3268	10.1421	3.6304	0.0443	1.0713	0.0188	1.0901	0.2937	0.0179	0.3116		4,825.4424	4,825.4424	0.3319		4,833.7389
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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.3690	10.1687	3.9422	0.0453	1.1831	0.0196	1.2027	0.3233	0.0187	0.3421		4,925.1144	4,925.1144	0.3344		4,933.4751

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

MacLaren Community Park - Los Angeles-South Coast County, 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	0.1700	0.7685	2.1040	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8859	860.8859	0.0414		861.9200
Unmitigated	0.1700	0.7685	2.1040	8.4300e-003	0.7794	6.5800e-003	0.7860	0.2085	6.1200e-003	0.2146		860.8859	860.8859	0.0414		861.9200

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	10.58	127.40	93.74	112,661	112,661
Total	10.58	127.40	93.74	112,661	112,661

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	16.60	8.40	6.90	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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

MacLaren Community Park - Los Angeles-South Coast County, 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	
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	

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Unmitigated	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003

MacLaren Community Park - Los Angeles-South Coast County, 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	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Total	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-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	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003
Total	0.0126	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.2300e-003	1.2300e-003	0.0000		1.3100e-003

7.0 Water Detail

MacLaren Community Park - Los Angeles-South Coast County, 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
----------------	--------	-----------	-----------	-------------	-------------	-----------

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

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation