



LSA ASSOCIATES, INC.

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MEMORANDUM

DATE: January 13, 2015

TO: Los Angeles City Council Planning and Land Use Management Committee
Attn: Sharon Gin, Legislative Assistant

FROM: LSA Associates, Inc.

SUBJECT: Century City Center CalEEMod Model Runs

For the Committee's consideration, enclosed are CalEEMod model output files used in the Air Quality and Greenhouse Gas Emissions analyses for the Subsequent EIR for the Century City Center Project, as requested by Environ Corp. in a letter to the PLUM Committee dated January 12, 2015. These documents are a supplement to Sections 3.2 and 3.4 of the Additional Information Chapter in the Errata to the Final Subsequent EIR, prepared by the City and dated December 12, 2014, and to Appendix AN of the Final Subsequent EIR.

Attachment: CalEEMod Calculations for the Errata to the Final Subsequent EIR

Century City Center - Alt. 9: Enhanced Retail - Empirical Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	12.9584	34.0978	142.5721	0.2994	20.0454	0.4981	20.5435	5.3550	0.4576	5.8126		27,013.7356	27,013.7356	1.1415		27,037.7076
Total	48.8152	36.1946	144.5753	0.3120	20.0454	0.6581	20.7035	5.3550	0.6177	5.9727		29,527.6404	29,527.6404	1.1912	0.0461	29,566.9393

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	12.9584	34.0978	142.5721	0.2994	20.0454	0.4981	20.5435	5.3550	0.4576	5.8126		27,013.7356	27,013.7356	1.1415		27,037.7076
Total	48.7708	35.7911	144.2363	0.3095	20.0454	0.6275	20.6729	5.3550	0.5870	5.9420		29,043.4366	29,043.4366	1.1819	0.0372	29,079.7887

	ROG	NOx	CO	SO2	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	0.09	1.11	0.23	0.78	0.00	4.66	0.15	0.00	4.96	0.51	0.00	1.64	1.64	0.78	19.27	1.65

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.9584	34.0978	142.5721	0.2994	20.0454	0.4981	20.5435	5.3550	0.4576	5.8126		27,013.7356	27,013.7356	1.1415		27,037.7076
Mitigated	12.9584	34.0978	142.5721	0.2994	20.0454	0.4981	20.5435	5.3550	0.4576	5.8126		27,013.7356	27,013.7356	1.1415		27,037.7076

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day						
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000	
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Empirical Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	13.4680	35.8682	141.0130	0.2843	20.0454	0.5012	20.5466	5.3550	0.4605	5.8155		25,690.6893	25,690.6893	1.1424		25,714.6795
Total	49.3248	37.9651	143.0163	0.2969	20.0454	0.6613	20.7066	5.3550	0.6205	5.9756		28,204.5941	28,204.5941	1.1920	0.0461	28,243.9112

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	13.4680	35.8682	141.0130	0.2843	20.0454	0.5012	20.5466	5.3550	0.4605	5.8155		25,690.6893	25,690.6893	1.1424		25,714.6795
Total	49.2804	37.5616	142.6773	0.2945	20.0454	0.6306	20.6760	5.3550	0.5899	5.9449		27,720.3903	27,720.3903	1.1827	0.0372	27,756.7606

	ROG	NOx	CO	SO2	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	0.09	1.06	0.24	0.82	0.00	4.64	0.15	0.00	4.94	0.51	0.00	1.72	1.72	0.78	19.27	1.72

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	13.4680	35.8682	141.0130	0.2843	20.0454	0.5012	20.5466	5.3550	0.4605	5.8155		25,690.6893	25,690.6893	1.1424		25,714.6795
Mitigated	13.4680	35.8682	141.0130	0.2843	20.0454	0.5012	20.5466	5.3550	0.4605	5.8155		25,690.6893	25,690.6893	1.1424		25,714.6795

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Empirical Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.3229	6.6563	25.9000	0.0524	3.5819	0.0908	3.6727	0.9583	0.0834	1.0417	0.0000	4,289.5270	4,289.5270	0.1883	0.0000	4,293.4815
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.8654	7.0389	26.2516	0.0546	3.5819	0.1199	3.7018	0.9583	0.1126	1.0709	178.7827	13,422.7272	13,601.5099	12.7581	0.1927	13,929.1800

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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	2.3229	6.6563	25.9000	0.0524	3.5819	0.0908	3.6727	0.9583	0.0834	1.0417	0.0000	4,289.5270	4,289.5270	0.1883	0.0000	4,293.4815
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	8.8573	6.9652	26.1897	0.0542	3.5819	0.1143	3.6962	0.9583	0.1070	1.0653	143.0261	11,923.0706	12,066.0968	10.2528	0.1575	12,330.2222

	ROG	NOx	CO	SO2	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	0.09	1.05	0.24	0.81	0.00	4.67	0.15	0.00	4.98	0.52	20.00	11.17	11.29	19.64	18.30	11.48

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	2.3229	6.6563	25.9000	0.0524	3.5819	0.0908	3.6727	0.9583	0.0834	1.0417	0.0000	4,289.5270	4,289.5270	0.1883	0.0000	4,293.4815
Unmitigated	2.3229	6.6563	25.9000	0.0524	3.5819	0.0908	3.6727	0.9583	0.0834	1.0417	0.0000	4,289.5270	4,289.5270	0.1883	0.0000	4,293.4815

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003		0.0234	0.0234		0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Unmitigated	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	13.7320	36.1335	151.0838	0.3172	21.2421	0.5278	21.7699	5.6747	0.4849	6.1596		28,626.4959	28,626.4959	1.2097		28,651.8991
Total	49.5888	38.2303	153.0870	0.3298	21.2421	0.6879	21.9300	5.6747	0.6450	6.3197		31,140.4007	31,140.4007	1.2593	0.0461	31,181.1308

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	13.7320	36.1335	151.0838	0.3172	21.2421	0.5278	21.7699	5.6747	0.4849	6.1596		28,626.4959	28,626.4959	1.2097		28,651.8991
Total	49.5444	37.8268	152.7481	0.3274	21.2421	0.6572	21.8993	5.6747	0.6143	6.2890		30,656.1970	30,656.1970	1.2500	0.0372	30,693.9802

	ROG	NOx	CO	SO2	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	0.09	1.06	0.22	0.73	0.00	4.46	0.14	0.00	4.75	0.49	0.00	1.55	1.55	0.74	19.27	1.56

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	13.7320	36.1335	151.0838	0.3172	21.2421	0.5278	21.7699	5.6747	0.4849	6.1596		28,626.4959	28,626.4959	1.2097		28,651.8991
Mitigated	13.7320	36.1335	151.0838	0.3172	21.2421	0.5278	21.7699	5.6747	0.4849	6.1596		28,626.4959	28,626.4959	1.2097		28,651.8991

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day						
Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	14.2720	38.0096	149.4317	0.3013	21.2421	0.5311	21.7732	5.6747	0.4880	6.1627		27,224.4618	27,224.4618	1.2106		27,249.8842
Total	50.1288	40.1064	151.4349	0.3139	21.2421	0.6912	21.9333	5.6747	0.6480	6.3227		29,738.3666	29,738.3666	1.2602	0.0461	29,779.1159

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	14.2720	38.0096	149.4317	0.3013	21.2421	0.5311	21.7732	5.6747	0.4880	6.1627		27,224.4618	27,224.4618	1.2106		27,249.8842
Total	50.0844	39.7029	151.0960	0.3114	21.2421	0.6605	21.9026	5.6747	0.6174	6.2921		29,254.1628	29,254.1628	1.2509	0.0372	29,291.9654

	ROG	NOx	CO	SO2	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	0.09	1.01	0.22	0.77	0.00	4.44	0.14	0.00	4.73	0.48	0.00	1.63	1.63	0.74	19.27	1.64

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	14.2720	38.0096	149.4317	0.3013	21.2421	0.5311	21.7732	5.6747	0.4880	6.1627		27,224.4618	27,224.4618	1.2106		27,249.8842
Mitigated	14.2720	38.0096	149.4317	0.3013	21.2421	0.5311	21.7732	5.6747	0.4880	6.1627		27,224.4618	27,224.4618	1.2106		27,249.8842

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.4616	7.0537	27.4463	0.0555	3.7957	0.0962	3.8919	1.0155	0.0884	1.1039	0.0000	4,545.6182	4,545.6182	0.1996	0.0000	4,549.8088
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	9.0040	7.4363	27.7978	0.0578	3.7957	0.1254	3.9211	1.0155	0.1175	1.1331	178.7827	13,678.8184	13,857.6011	12.7694	0.1927	14,185.5072

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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	2.4616	7.0537	27.4463	0.0555	3.7957	0.0962	3.8919	1.0155	0.0884	1.1039	0.0000	4,545.6182	4,545.6182	0.1996	0.0000	4,549.8088
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	8.9959	7.3626	27.7360	0.0573	3.7957	0.1198	3.9155	1.0155	0.1119	1.1275	143.0261	12,179.1618	12,322.1880	10.2640	0.1575	12,586.5495

	ROG	NOx	CO	SO2	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	0.09	0.99	0.22	0.76	0.00	4.47	0.14	0.00	4.76	0.49	20.00	10.96	11.08	19.62	18.30	11.27

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	2.4616	7.0537	27.4463	0.0555	3.7957	0.0962	3.8919	1.0155	0.0884	1.1039	0.0000	4,545.6182	4,545.6182	0.1996	0.0000	4,549.8088
Unmitigated	2.4616	7.0537	27.4463	0.0555	3.7957	0.0962	3.8919	1.0155	0.0884	1.1039	0.0000	4,545.6182	4,545.6182	0.1996	0.0000	4,549.8088

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003		0.0234	0.0234		0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Unmitigated	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	17.6002	46.3119	193.6426	0.4066	27.2258	0.6765	27.9023	7.2732	0.6215	7.8948		36,690.2976	36,690.2976	1.5504		36,722.8566
Total	53.4570	48.4088	195.6459	0.4192	27.2258	0.8366	28.0624	7.2732	0.7816	8.0548		39,204.2024	39,204.2024	1.6001	0.0461	39,252.0882

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	17.6002	46.3119	193.6426	0.4066	27.2258	0.6765	27.9023	7.2732	0.6215	7.8948		36,690.2976	36,690.2976	1.5504		36,722.8566
Total	53.4126	48.0053	195.3069	0.4168	27.2258	0.8059	28.0317	7.2732	0.7509	8.0242		38,719.9986	38,719.9986	1.5908	0.0372	38,764.9377

	ROG	NOx	CO	SO2	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	0.08	0.83	0.17	0.58	0.00	3.67	0.11	0.00	3.92	0.38	0.00	1.24	1.24	0.58	19.27	1.24

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	17.6002	46.3119	193.6426	0.4066	27.2258	0.6765	27.9023	7.2732	0.6215	7.8948		36,690.2976	36,690.2976	1.5504		36,722.8566
Mitigated	17.6002	46.3119	193.6426	0.4066	27.2258	0.6765	27.9023	7.2732	0.6215	7.8948		36,690.2976	36,690.2976	1.5504		36,722.8566

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	18.2923	48.7165	191.5252	0.3861	27.2258	0.6807	27.9066	7.2732	0.6254	7.8987		34,893.3242	34,893.3242	1.5516		34,925.9080
Total	54.1491	50.8134	193.5284	0.3987	27.2258	0.8408	28.0666	7.2732	0.7855	8.0587		37,407.2291	37,407.2291	1.6012	0.0461	37,455.1397

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	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	18.2923	48.7165	191.5252	0.3861	27.2258	0.6807	27.9066	7.2732	0.6254	7.8987		34,893.3242	34,893.3242	1.5516		34,925.9080
Total	54.1047	50.4099	193.1894	0.3963	27.2258	0.8101	28.0360	7.2732	0.7548	8.0281		36,923.0253	36,923.0253	1.5920	0.0372	36,967.9891

	ROG	NOx	CO	SO2	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	0.08	0.79	0.18	0.61	0.00	3.65	0.11	0.00	3.90	0.38	0.00	1.29	1.29	0.58	19.27	1.30

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	18.2923	48.7165	191.5252	0.3861	27.2258	0.6807	27.9066	7.2732	0.6254	7.8987		34,893.3242	34,893.3242	1.5516		34,925.9080
Mitigated	18.2923	48.7165	191.5252	0.3861	27.2258	0.6807	27.9066	7.2732	0.6254	7.8987		34,893.3242	34,893.3242	1.5516		34,925.9080

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Mitigated	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003		0.5360

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
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SubCategory	lb/day								lb/day						
Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0241	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360
Total	35.6264	2.3600e-003	0.2438	2.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		0.5053	0.5053	1.4600e-003	0.5360

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2015
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	3.1550	9.0407	35.1776	0.0711	4.8650	0.1233	4.9883	1.3016	0.1133	1.4149	0.0000	5,826.0740	5,826.0740	0.2558	0.0000	5,831.4451
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	9.6974	9.4232	35.5292	0.0734	4.8650	0.1525	5.0174	1.3016	0.1424	1.4440	178.7827	14,959.2742	15,138.0569	12.8256	0.1927	15,467.1435

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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	3.1550	9.0407	35.1776	0.0711	4.8650	0.1233	4.9883	1.3016	0.1133	1.4149	0.0000	5,826.0740	5,826.0740	0.2558	0.0000	5,831.4451
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	9.6893	9.3496	35.4673	0.0730	4.8650	0.1469	5.0118	1.3016	0.1368	1.4384	143.0261	13,459.6176	13,602.6438	10.3202	0.1575	13,868.1857

	ROG	NOx	CO	SO2	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	0.08	0.78	0.17	0.60	0.00	3.67	0.11	0.00	3.93	0.39	20.00	10.02	10.14	19.53	18.30	10.34

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	3.1550	9.0407	35.1776	0.0711	4.8650	0.1233	4.9883	1.3016	0.1133	1.4149	0.0000	5,826.0740	5,826.0740	0.2558	0.0000	5,831.4451
Unmitigated	3.1550	9.0407	35.1776	0.0711	4.8650	0.1233	4.9883	1.3016	0.1133	1.4149	0.0000	5,826.0740	5,826.0740	0.2558	0.0000	5,831.4451

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.515437	0.060435	0.179988	0.139880	0.041945	0.006639	0.015487	0.028746	0.001918	0.002517	0.004333	0.000596	0.002079

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003		0.0234	0.0234		0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Unmitigated	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0100e-003	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608
Total	6.5004	3.0000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.7000e-004	0.0000	0.0608

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Emperical Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	8.8517	21.1370	93.5384	0.3027	20.0626	0.3843	20.4469	5.3611	0.3545	5.7155		23,096.0737	23,096.0737	0.7753		23,112.3551
Total	44.7065	23.2337	95.5345	0.3153	20.0626	0.5443	20.6069	5.3611	0.5145	5.8756		25,609.9785	25,609.9785	0.8248	0.0461	25,641.5843

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	8.8517	21.1370	93.5384	0.3027	20.0626	0.3843	20.4469	5.3611	0.3545	5.7155		23,096.0737	23,096.0737	0.7753		23,112.3551
Total	44.6621	22.8302	95.1955	0.3128	20.0626	0.5137	20.5763	5.3611	0.4839	5.8449		25,125.7748	25,125.7748	0.8155	0.0372	25,154.4337

	ROG	NOx	CO	SO2	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	0.10	1.74	0.35	0.77	0.00	5.63	0.15	0.00	5.96	0.52	0.00	1.89	1.89	1.13	19.27	1.90

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	8.8517	21.1370	93.5384	0.3027	20.0626	0.3843	20.4469	5.3611	0.3545	5.7155		23,096.07 37	23,096.073 7	0.7753		23,112.35 51
Mitigated	8.8517	21.1370	93.5384	0.3027	20.0626	0.3843	20.4469	5.3611	0.3545	5.7155		23,096.07 37	23,096.073 7	0.7753		23,112.35 51

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day						
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000	
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Emperical Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	9.1288	22.1968	93.3934	0.2875	20.0626	0.3856	20.4482	5.3611	0.3557	5.7167		22,000.6885	22,000.6885	0.7764		22,016.9928
Total	44.9835	24.2935	95.3894	0.3000	20.0626	0.5456	20.6082	5.3611	0.5157	5.8768		24,514.5933	24,514.5933	0.8259	0.0461	24,546.2220

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	9.1288	22.1968	93.3934	0.2875	20.0626	0.3856	20.4482	5.3611	0.3557	5.7167		22,000.6885	22,000.6885	0.7764		22,016.9928
Total	44.9392	23.8900	95.0505	0.2976	20.0626	0.5150	20.5776	5.3611	0.4851	5.8461		24,030.3896	24,030.3896	0.8166	0.0372	24,059.0714

	ROG	NOx	CO	SO2	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	0.10	1.66	0.36	0.81	0.00	5.62	0.15	0.00	5.95	0.52	0.00	1.98	1.98	1.12	19.27	1.98

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	9.1288	22.1968	93.3934	0.2875	20.0626	0.3856	20.4482	5.3611	0.3557	5.7167		22,000.688	22,000.688	0.7764		22,016.9928
Mitigated	9.1288	22.1968	93.3934	0.2875	20.0626	0.3856	20.4482	5.3611	0.3557	5.7167		22,000.688	22,000.688	0.7764		22,016.9928

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Emperical Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	1.5758	4.1190	17.1131	0.0529	3.5850	0.0700	3.6550	0.9594	0.0645	1.0240	0.0000	3,671.8540	3,671.8540	0.1279	0.0000	3,674.5405
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.1180	4.5015	17.4637	0.0552	3.5850	0.0991	3.6841	0.9594	0.0937	1.0531	178.7827	12,805.0542	12,983.8368	12.6977	0.1927	13,310.2387

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	1.5758	4.1190	17.1131	0.0529	3.5850	0.0700	3.6550	0.9594	0.0645	1.0240	0.0000	3,671.8540	3,671.8540	0.1279	0.0000	3,674.5405
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	8.1099	4.4279	17.4019	0.0548	3.5850	0.0935	3.6785	0.9594	0.0881	1.0475	143.0261	11,305.3976	11,448.4237	10.1924	0.1575	11,711.2809

	ROG	NOx	CO	SO2	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	0.10	1.64	0.35	0.80	0.00	5.65	0.15	0.00	5.98	0.53	20.00	11.71	11.83	19.73	18.30	12.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	1.5758	4.1190	17.1131	0.0529	3.5850	0.0700	3.6550	0.9594	0.0645	1.0240	0.0000	3,671.8540	3,671.8540	0.1279	0.0000	3,674.5405
Unmitigated	1.5758	4.1190	17.1131	0.0529	3.5850	0.0700	3.6550	0.9594	0.0645	1.0240	0.0000	3,671.8540	3,671.8540	0.1279	0.0000	3,674.5405

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207
Strip Mall	0.00	0.00	0.00		
Total	3,331.78	3,331.78	3,331.78	9,457,207	9,457,207

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003	0.0234	0.0234	0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005	1.1000e-004	1.1000e-004	1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003	0.0235	0.0235	0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	9.3802	22.3990	99.1228	0.3207	21.2604	0.4072	21.6676	5.6811	0.3757	6.0568		24,474.9438	24,474.9438	0.8216		24,492.1972
Total	45.2350	24.4956	101.1189	0.3333	21.2604	0.5673	21.8277	5.6811	0.5357	6.2168		26,988.8486	26,988.8486	0.8711	0.0461	27,021.4264

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	9.3802	22.3990	99.1228	0.3207	21.2604	0.4072	21.6676	5.6811	0.3757	6.0568		24,474.9438	24,474.9438	0.8216		24,492.1972
Total	45.1906	24.0921	100.7799	0.3309	21.2604	0.5366	21.7970	5.6811	0.5050	6.1861		26,504.6448	26,504.6448	0.8618	0.0372	26,534.2758

	ROG	NOx	CO	SO2	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	0.10	1.65	0.34	0.73	0.00	5.40	0.14	0.00	5.72	0.49	0.00	1.79	1.79	1.07	19.27	1.80

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	9.3802	22.3990	99.1228	0.3207	21.2604	0.4072	21.6676	5.6811	0.3757	6.0568		24,474.9438	24,474.9438	0.8216		24,492.1972
Mitigated	9.3802	22.3990	99.1228	0.3207	21.2604	0.4072	21.6676	5.6811	0.3757	6.0568		24,474.9438	24,474.9438	0.8216		24,492.1972

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day						
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000	
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	9.6738	23.5220	98.9691	0.3046	21.2604	0.4086	21.6690	5.6811	0.3769	6.0580		23,314.1624	23,314.1624	0.8228		23,331.4402
Total	45.5285	25.6187	100.9651	0.3172	21.2604	0.5687	21.8290	5.6811	0.5370	6.2181		25,828.0673	25,828.0673	0.8723	0.0461	25,860.6693

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	9.6738	23.5220	98.9691	0.3046	21.2604	0.4086	21.6690	5.6811	0.3769	6.0580		23,314.1624	23,314.1624	0.8228		23,331.4402
Total	45.4842	25.2152	100.6262	0.3148	21.2604	0.5380	21.7984	5.6811	0.5063	6.1874		25,343.8635	25,343.8635	0.8630	0.0372	25,373.5188

	ROG	NOx	CO	SO2	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	0.10	1.58	0.34	0.76	0.00	5.39	0.14	0.00	5.71	0.49	0.00	1.87	1.87	1.06	19.27	1.88

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	9.6738	23.5220	98.9691	0.3046	21.2604	0.4086	21.6690	5.6811	0.3769	6.0580		23,314.1624	23,314.1624	0.8228		23,331.4402
Mitigated	9.6738	23.5220	98.9691	0.3046	21.2604	0.4086	21.6690	5.6811	0.3769	6.0580		23,314.1624	23,314.1624	0.8228		23,331.4402

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day						
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000	
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Economy Adjusted Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	1.6699	4.3649	18.1348	0.0561	3.7991	0.0741	3.8732	1.0167	0.0684	1.0851	0.0000	3,891.0691	3,891.0691	0.1356	0.0000	3,893.9161
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.2121	4.7474	18.4854	0.0584	3.7991	0.1033	3.9024	1.0167	0.0975	1.1142	178.7827	13,024.2693	13,203.0520	12.7054	0.1927	13,529.6142

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	1.6699	4.3649	18.1348	0.0561	3.7991	0.0741	3.8732	1.0167	0.0684	1.0851	0.0000	3,891.0691	3,891.0691	0.1356	0.0000	3,893.9161
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	8.2040	4.6738	18.4236	0.0579	3.7991	0.0977	3.8968	1.0167	0.0919	1.1086	143.0261	11,524.6127	11,667.6389	10.2000	0.1575	11,930.6565

	ROG	NOx	CO	SO2	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	0.10	1.55	0.33	0.75	0.00	5.42	0.14	0.00	5.74	0.50	20.00	11.51	11.63	19.72	18.30	11.82

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	1.6699	4.3649	18.1348	0.0561	3.7991	0.0741	3.8732	1.0167	0.0684	1.0851	0.0000	3,891.0691	3,891.0691	0.1356	0.0000	3,893.9161
Unmitigated	1.6699	4.3649	18.1348	0.0561	3.7991	0.0741	3.8732	1.0167	0.0684	1.0851	0.0000	3,891.0691	3,891.0691	0.1356	0.0000	3,893.9161

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817
Strip Mall	0.00	0.00	0.00		
Total	3,530.69	3,530.69	3,530.69	10,021,817	10,021,817

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003		0.0234	0.0234		0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.8773	30.8052	129.0408	0.4237	27.2492	0.6820	27.9312	7.2814	0.6415	7.9229		33,883.1990	33,883.1990	1.1025	0.0461	33,920.6368

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.8329	30.4017	128.7019	0.4212	27.2492	0.6513	27.9006	7.2814	0.6108	7.8923		33,398.9952	33,398.9952	1.0933	0.0372	33,433.4863

	ROG	NOx	CO	SO2	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	0.09	1.31	0.26	0.57	0.00	4.50	0.11	0.00	4.78	0.39	0.00	1.43	1.43	0.84	19.27	1.44

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29	31,369.294	1.0530		31,391.40
Mitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		41	1	1.0530		77

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	lb/day										lb/day					
Area	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.2535	32.2446	128.8437	0.4030	27.2492	0.6838	27.9330	7.2814	0.6431	7.9246		32,395.4370	32,395.4370	1.1040	0.0461	32,432.9060

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.2092	31.8411	128.5048	0.4006	27.2492	0.6531	27.9023	7.2814	0.6125	7.8939		31,911.2332	31,911.2332	1.0947	0.0372	31,945.7554

	ROG	NOx	CO	SO2	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	0.09	1.25	0.26	0.60	0.00	4.48	0.11	0.00	4.77	0.39	0.00	1.49	1.49	0.84	19.27	1.50

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Mitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	17.1703	0.1852	1.6834	1.4140	0.0101		0.1279	0.1279		0.1279	0.1279		2,020.0319	2,020.0319	0.0387	0.0370	2,032.3254
Strip Mall	0.0778932	8.4000e-004	7.6400e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		9.1639	9.1639	1.8000e-004	1.7000e-004	9.2197
Total		0.1860	1.6910	1.4204	0.0102		0.1285	0.1285		0.1285	0.1285		2,029.1958	2,029.1958	0.0389	0.0372	2,041.5451

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior
 Use Low VOC Paint - Non-Residential Exterior
 Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day							
	Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published ITE Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Category	tons/yr										MT/yr					
Area	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.6825	5.9770	23.5938	0.0742	4.8692	0.1242	4.9934	1.3031	0.1168	1.4199	178.7827	14,120.3451	14,299.1278	12.7435	0.1927	14,626.4920

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0340	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	6,642.0701	6,642.0701	0.1721	0.0690	6,667.0715
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	110.6138	0.0000	110.6138	6.5371	0.0000	247.8927
Water						0.0000	0.0000		0.0000	0.0000	32.4123	991.4162	1,023.8285	3.3551	0.0885	1,121.7157
Total	8.6744	5.9033	23.5319	0.0737	4.8692	0.1186	4.9878	1.3031	0.1112	1.4143	143.0261	12,620.6886	12,763.7147	10.2382	0.1575	13,027.5342

	ROG	NOx	CO	SO2	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	0.09	1.23	0.26	0.59	0.00	4.51	0.11	0.00	4.79	0.39	20.00	10.62	10.74	19.66	18.30	10.93

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Mitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Unmitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

General Office Building	6.26715e+006	0.0338	0.3072	0.2581	1.8400e-003		0.0234	0.0234		0.0234	0.0234	0.0000	334.4389	334.4389	6.4100e-003	6.1300e-003	336.4743
Strip Mall	28431	1.5000e-004	1.3900e-003	1.1700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5172	1.5172	3.0000e-005	3.0000e-005	1.5264
Total		0.0339	0.3086	0.2592	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.9561	335.9561	6.4400e-003	6.1600e-003	338.0007

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.42959e+006	1,717.4210	0.0451	0.0171	1,723.6731
General Office Building	8.9141e+006	4,463.8776	0.1173	0.0445	4,480.1279
Strip Mall	249249	124.8154	3.2800e-003	1.2400e-003	125.2698
Total		6,306.1140	0.1657	0.0628	6,329.0708

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,023.8285	3.3551	0.0885	1,121.7157

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	101.01 / 61.9091	1,012.2486	3.3172	0.0875	1,109.0286
Strip Mall	1.15553 / 0.708229	11.5799	0.0380	1.0000e-003	12.6871
Total		1,023.8285	3.3551	0.0885	1,121.7157

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	110.6138	6.5371	0.0000	247.8927

Unmitigated	138.2673	8.1714	0.0000	309.8659
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	528.536	107.2880	6.3405	0.0000	240.4394
Strip Mall	16.384	3.3258	0.1966	0.0000	7.4533
Total		110.6138	6.5371	0.0000	247.8927

9.0 Operational Offroad

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

10130 Constellation Park - as in the 2006 EIR
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping.

Woodstoves - Assume no woodburning permitted, all residences have a natural gas fireplace.

Area Coating -

Energy Use - .

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblTripsAndVMT	HaulingTripNumber	0.00	53.00
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveWoodMass	999.60	0.00
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2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
Mobile	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990
Total	50.5968	15.1312	96.6234	0.1955	11.9314	1.2667	13.1981	3.1883	1.2421	4.4304	0.0000	26,716.3176	26,716.3176	0.7787	0.2367	26,806.0373

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

Demolition	6	15.00	0.00	53.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990
Mitigated	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
NaturalGas Unmitigated	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	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
Condo/Townhouse High Rise	22787.2	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	22.7872	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

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					
Unmitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Mitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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 Vegetation

10130 Constellation Park - as in the 2006 EIR
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping.

Woodstoves - Assume no woodburning permitted, all residences have a natural gas fireplace.

Area Coating -

Energy Use - .

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblTripsAndVMT	HaulingTripNumber	0.00	53.00
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveWoodMass	999.60	0.00
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2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
Mobile	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Total	50.7614	15.7615	96.5347	0.1865	11.9314	1.2675	13.1989	3.1883	1.2429	4.4311	0.0000	26,064.8918	26,064.8918	0.7794	0.2367	26,154.6251

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

Energy	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
Mobile	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Total	50.7614	15.7615	96.5347	0.1865	11.9314	1.2675	13.1989	3.1883	1.2429	4.4311	0.0000	26,064.8918	26,064.8918	0.7794	0.2367	26,154.6251

	ROG	NOx	CO	SO2	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	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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
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Demolition	6	15.00	0.00	53.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Mitigated	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
NaturalGas Unmitigated	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	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
Condo/Townhouse High Rise	22787.2	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	22.7872	0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2457	2.1000	0.8936	0.0134		0.1698	0.1698		0.1698	0.1698		2,680.8501	2,680.8501	0.0514	0.0492	2,697.1653

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					
Unmitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Mitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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 Vegetation

10130 Constellation Park - as in the 2006 EIR
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping.

Woodstoves - Assume no woodburning permitted, all residences have a natural gas fireplace.

Area Coating -

Energy Use - .

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblTripsAndVMT	HaulingTripNumber	0.00	53.00
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveWoodMass	999.60	0.00
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2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258
Energy	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	3,128.5895	3,128.5895	0.0790	0.0349	3,141.0643
Mobile	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Waste						0.0000	0.0000		0.0000	0.0000	45.1310	0.0000	45.1310	2.6672	0.0000	101.1414
Water						0.0000	0.0000		0.0000	0.0000	9.9838	326.8411	336.8248	1.0340	0.0275	367.0546
Total	8.9807	2.8904	15.3465	0.0342	2.1321	0.1083	2.2403	0.5706	0.1050	0.6755	55.1148	5,763.2312	5,818.3460	3.8665	0.0645	5,919.5317

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
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Category	tons/yr										MT/yr					
	Area	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003
Energy	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	3,128.5895	3,128.5895	0.0790	0.0349	3,141.0643
Mobile	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Waste						0.0000	0.0000		0.0000	0.0000	45.1310	0.0000	45.1310	2.6672	0.0000	101.1414
Water						0.0000	0.0000		0.0000	0.0000	9.9838	326.8411	336.8248	1.0338	0.0274	367.0287
Total	8.9807	2.8904	15.3465	0.0342	2.1321	0.1083	2.2403	0.5706	0.1050	0.6755	55.1148	5,763.2312	5,818.3460	3.8663	0.0644	5,919.5058

	ROG	NOx	CO	SO2	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	0.11	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	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38

Demolition	Rubber Tired Dozers	2	8.00	255	0.40
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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	6	15.00	0.00	53.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Unmitigated	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1980.30	5,624,290	5,624,290
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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-	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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
NaturalGas Mitigated	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460
NaturalGas Unmitigated	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,684.7448	2,684.7448	0.0705	0.0268	2,694.5183
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,684.7448	2,684.7448	0.0705	0.0268	2,694.5183

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Condo/Townhouse High Rise	8.31734e+006	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Condo/Townhouse High Rise	8.31734e+006	0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0449	0.3833	0.1631	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.8448	443.8448	8.5100e-003	8.1400e-003	446.5460

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
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Mitigated	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258
Unmitigated	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258

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	1.1511						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6836						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0117	0.0000	6.4000e-004	0.0000		8.1000e-003	8.1000e-003		8.0100e-003	8.0100e-003	0.0000	115.9862	115.9862	2.2200e-003	2.1300e-003	116.6921
Landscaping	0.1527	0.0578	5.0073	2.6000e-004		0.0276	0.0276		0.0276	0.0276	0.0000	8.1664	8.1664	7.9600e-003	0.0000	8.3337
Total	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258

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	1.1511						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6836						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0117	0.0000	6.4000e-004	0.0000		8.1000e-003	8.1000e-003		8.0100e-003	8.0100e-003	0.0000	115.9862	115.9862	2.2200e-003	2.1300e-003	116.6921

Landscaping	0.1527	0.0578	5.0073	2.6000e-004		0.0276	0.0276		0.0276	0.0276	0.0000	8.1664	8.1664	7.9600e-003	0.0000	8.3337
Total	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	336.8248	1.0340	0.0275	367.0546
Mitigated	336.8248	1.0338	0.0274	367.0287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.02552	11.2690	3.0000e-004	1.1000e-004	11.3100
Condo/Townhouse / High Rise	31.4694 / 19.8394	325.5559	1.0337	0.0274	355.7446
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		336.8248	1.0340	0.0275	367.0546

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.02552	11.2690	3.0000e-004	1.1000e-004	11.3100
Condo/Townhouse High Rise	31.4694 / 19.8394	325.5559	1.0335	0.0273	355.7187
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		336.8248	1.0338	0.0274	367.0287

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	45.1310	2.6672	0.0000	101.1414
Unmitigated	45.1310	2.6672	0.0000	101.1414

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.15	0.0305	1.8000e-003	0.0000	0.0682
Condo/Townhouse High Rise	222.18	45.1005	2.6654	0.0000	101.0732
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		45.1310	2.6672	0.0000	101.1414

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.15	0.0305	1.8000e-003	0.0000	0.0682
Condo/Townhouse High Rise	222.18	45.1005	2.6654	0.0000	101.0732
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		45.1310	2.6672	0.0000	101.1414

9.0 Operational Offroad

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

Century City Center - Modified Project Published ITE Rates - 2021 South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description, parking to be partly subterranean.

Construction Phase - No construction modeled.

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Energy Use - .

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00

tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827

Total	48.0861	31.3289	131.2211	0.4308	27.7100	0.6937	28.4037	7.4045	0.6526	8.0571		34,459.53 20	34,459.532 0	1.1212	0.0469	34,497.62 33
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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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Total	48.0861	31.3289	131.2211	0.4308	27.7100	0.6937	28.4037	7.4045	0.6526	8.0571		34,459.5320	34,459.5320	1.1212	0.0469	34,497.6233

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.69	31,899.695	1.0708		31,922.18
Mitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		52	2	1.0708		27

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

NaturalGas Unmitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21735.1	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	19.189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21.7351	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	0.019189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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						
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Modified Project Published ITE Rates - 2021 South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description, parking to be partly subterranean.

Construction Phase - No construction modeled.

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Energy Use - .

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00

tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968

Total	48.4687	32.7926	131.0207	0.4098	27.7100	0.6955	28.4055	7.4045	0.6542	8.0587		32,946.6145	32,946.6145	1.1227	0.0469	32,984.7375
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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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.777	30,386.777	1.0723		30,409.2968
Total	48.4687	32.7926	131.0207	0.4098	27.7100	0.6955	28.4055	7.4045	0.6542	8.0587		32,946.6145	32,946.6145	1.1227	0.0469	32,984.7375

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.77	30,386.777	1.0723		30,409.29
												77	7			68
Mitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.77	30,386.777	1.0723		30,409.29
												77	7			68

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

NaturalGas Unmitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21735.1	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	19.189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21.7351	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	0.019189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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						
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Modified Project Published ITE Rates - 2021 South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description, parking to be partly subterranean.

Construction Phase - No construction modeled.

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Energy Use - .

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00

tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0428	0.3892	0.3270	2.3400e-003		0.0296	0.0296		0.0296	0.0296	0.0000	7,868.0100	7,868.0100	0.2037	0.0819	7,897.6889
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797

Waste						0.0000	0.0000		0.0000	0.0000	137.9019	0.0000	137.9019	8.1498	0.0000	309.0471
Water						0.0000	0.0000		0.0000	0.0000	41.0240	1,284.0924	1,325.1164	4.2473	0.1123	1,449.1180
Total	8.7197	6.0785	23.9927	0.0754	4.9515	0.1263	5.0779	1.3251	0.1188	1.4439	178.9259	14,223.6288	14,402.5547	12.7776	0.1942	14,731.0941

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0428	0.3892	0.3270	2.3400e-003		0.0296	0.0296		0.0296	0.0296	0.0000	7,868.0100	7,868.0100	0.2037	0.0819	7,897.6889
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Waste						0.0000	0.0000		0.0000	0.0000	137.9019	0.0000	137.9019	8.1498	0.0000	309.0471
Water						0.0000	0.0000		0.0000	0.0000	41.0240	1,284.0924	1,325.1164	4.2465	0.1120	1,449.0115
Total	8.7197	6.0785	23.9927	0.0754	4.9515	0.1263	5.0779	1.3251	0.1188	1.4439	178.9259	14,223.6288	14,402.5547	12.7768	0.1939	14,730.9876

	ROG	NOx	CO	SO2	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	0.01	0.15	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

Category	tons/yr										MT/yr					
	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Mitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Unmitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0428	0.3892	0.3270	2.3400e-003		0.0296	0.0296		0.0296	0.0296	0.0000	423.7260	423.7260	8.1200e-003	7.7700e-003	426.3048
NaturalGas Unmitigated	0.0428	0.3892	0.3270	2.3400e-003		0.0296	0.0296		0.0296	0.0296	0.0000	423.7260	423.7260	8.1200e-003	7.7700e-003	426.3048
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,444.2840	7,444.2840	0.1956	0.0742	7,471.3842
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,444.2840	7,444.2840	0.1956	0.0742	7,471.3842

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.93332e+006	0.0428	0.3889	0.3267	2.3300e-003		0.0296	0.0296		0.0296	0.0296	0.0000	423.3523	423.3523	8.1100e-003	7.7600e-003	425.9287
Strip Mall	7004	4.0000e-005	3.4000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.3738	0.3738	1.0000e-005	1.0000e-005	0.3760
Total		0.0428	0.3892	0.3270	2.3300e-003		0.0296	0.0296		0.0296	0.0296	0.0000	423.7260	423.7260	8.1200e-003	7.7700e-003	426.3048

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
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Land Use	kBTU/yr	tons/yr								MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.93332e+006	0.0428	0.3889	0.3267	2.3300e-003	0.0296	0.0296	0.0296	0.0296	0.0000	423.3523	423.3523	8.1100e-003	7.7600e-003	425.9287
Strip Mall	7004	4.0000e-005	3.4000e-004	2.9000e-004	0.0000	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.3738	0.3738	1.0000e-005	1.0000e-005	0.3760
Total		0.0428	0.3892	0.3270	2.3300e-003	0.0296	0.0296	0.0296	0.0296	0.0000	423.7260	423.7260	8.1200e-003	7.7700e-003	426.3048

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.05463e+007	5,281.2332	0.1387	0.0526	5,300.4590
Strip Mall	62500.4	31.2981	8.2000e-004	3.1000e-004	31.4120
Total		7,444.2840	0.1956	0.0742	7,471.3842

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.05463e+007	5,281.2332	0.1387	0.0526	5,300.4590

Strip Mall	62500.4	31.2981	8.2000e-004	3.1000e-004	31.4120
Total		7,444.2840	0.1956	0.0742	7,471.3842

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605	
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,325.1164	4.2473	0.1123	1,449.1180
Mitigated	1,325.1164	4.2465	0.1120	1,449.0115

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	129.004 / 79.0673	1,321.9891	4.2373	0.1120	1,445.6980
Strip Mall	0.305179 / 0.187045	3.1274	0.0100	2.7000e-004	3.4200
Total		1,325.1164	4.2473	0.1123	1,449.1180

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	129.004 / 79.0673	1,321.9891	4.2365	0.1117	1,445.5917
Strip Mall	0.305179 / 0.187045	3.1274	0.0100	2.6000e-004	3.4198
Total		1,325.1164	4.2465	0.1120	1,449.0115

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	137.9019	8.1498	0.0000	309.0471
Unmitigated	137.9019	8.1498	0.0000	309.0471

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	675.02	137.0230	8.0978	0.0000	307.0773
Strip Mall	4.33	0.8790	0.0519	0.0000	1.9698
Total		137.9019	8.1498	0.0000	309.0471

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000

General Office Building	675.02	137.0230	8.0978	0.0000	307.0773
Strip Mall	4.33	0.8790	0.0519	0.0000	1.9698
Total		137.9019	8.1498	0.0000	309.0471

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips just local workers

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77
Mitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

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	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21.2731	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	0.0908219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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						
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips just local workers

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Mitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

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	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21.2731	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	0.0908219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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						
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips from local workers.

Energy Use - .

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.6825	5.9770	23.5938	0.0742	4.8692	0.1242	4.9934	1.3031	0.1168	1.4199	178.7827	14,120.3451	14,299.1278	12.7435	0.1927	14,626.4920

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1939	0.1106	1,431.0465
Total	8.6825	5.9770	23.5938	0.0742	4.8692	0.1242	4.9934	1.3031	0.1168	1.4199	178.7827	14,120.3451	14,299.1278	12.7428	0.1925	14,626.3868

	ROG	NOx	CO	SO2	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	0.01	0.15	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	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Unmitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.1215	416.1215	7.9800e-003	7.6300e-003	418.6539
NaturalGas Unmitigated	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.1215	416.1215	7.9800e-003	7.6300e-003	418.6539
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,448.8493	7,448.8493	0.1957	0.0742	7,475.9661
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,448.8493	7,448.8493	0.1957	0.0742	7,475.9661

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.76467e+006	0.0419	0.3806	0.3197	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.3525	414.3525	7.9400e-003	7.6000e-003	416.8742
Strip Mall	33150	1.8000e-004	1.6200e-003	1.3700e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7690	1.7690	3.0000e-005	3.0000e-005	1.7798
Total		0.0421	0.3822	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.1215	416.1215	7.9700e-003	7.6300e-003	418.6539

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.76467e+006	0.0419	0.3806	0.3197	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.3525	414.3525	7.9400e-003	7.6000e-003	416.8742
Strip Mall	33150	1.8000e-004	1.6200e-003	1.3700e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7690	1.7690	3.0000e-005	3.0000e-005	1.7798
Total		0.0421	0.3822	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.1215	416.1215	7.9700e-003	7.6300e-003	418.6539

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734
Total		7,448.8493	0.1957	0.0742	7,475.9661

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,308.6875	4.1939	0.1106	1,431.0465

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1464	0.1094	1,414.8607
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1857
Total		1,308.6875	4.1939	0.1106	1,431.0465

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	138.2673	8.1714	0.0000	309.8659
Unmitigated	138.2673	8.1714	0.0000	309.8659

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

9.0 Operational Offroad

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

10130 Constellation Park - as in the 2006 EIR - As Proposed & BAU
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment - Equipment per the 2006 EIR.

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping. Set trip lengths to match CalEEMod 2014 4.1 values

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assume no wood burning allowed, and that all residences has a natural gas fireplace.

Area Coating -

Energy Use - Historical data option loads 2005 Title 24 energy rates.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00

tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627
Mobile	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990
Total	50.6120	15.2613	96.6788	0.1963	11.9314	1.2772	13.2086	3.1883	1.2527	4.4409	0.0000	26,882.4042	26,882.4042	0.7819	0.2397	26,973.1347

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540
Mobile	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990
Total	50.5903	15.0755	96.5997	0.1952	11.9314	1.2622	13.1936	3.1883	1.2376	4.4259	0.0000	26,645.1395	26,645.1395	0.7774	0.2354	26,734.4260

	ROG	NOx	CO	SO2	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	0.04	1.22	0.08	0.60	0.00	1.18	0.11	0.00	1.20	0.34	0.00	0.88	0.88	0.58	1.81	0.88

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	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990
Mitigated	5.2621	12.5691	55.6200	0.1800	11.9314	0.2285	12.1600	3.1883	0.2108	3.3991		13,735.2167	13,735.2167	0.4611		13,744.8990

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1980.30	5,624,290	5,624,290

Enclosed Parking Structure	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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-	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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.672 0	2,609.6720	0.0500	0.0478	2,625.554 0
NaturalGas Unmitigated	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.936 7	2,846.9367	0.0546	0.0522	2,864.262 7

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	24199	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627
Enclosed Parking Structure	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		0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	22,182	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540
Enclosed Parking Structure	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		0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Mitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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 Vegetation

10130 Constellation Park - as in the 2006 EIR - As Proposed & BAU
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment - Equipment per the 2006 EIR.

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping. Set trip lengths to match CalEEMod 2014 4.1 values

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assume no wood burning allowed, and that all residences has a natural gas fireplace.

Area Coating -

Energy Use - Historical data option loads 2005 Title 24 energy rates.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00

tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627
Mobile	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Total	50.7766	15.8916	96.5900	0.1873	11.9314	1.2780	13.2094	3.1883	1.2534	4.4416	0.0000	26,230.9784	26,230.9784	0.7826	0.2397	26,321.7225

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	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Energy	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540
Mobile	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Total	50.7549	15.7057	96.5109	0.1861	11.9314	1.2630	13.1944	3.1883	1.2383	4.4266	0.0000	25,993.7137	25,993.7137	0.7780	0.2354	26,083.0139

	ROG	NOx	CO	SO2	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	0.04	1.17	0.08	0.63	0.00	1.18	0.11	0.00	1.20	0.34	0.00	0.90	0.90	0.58	1.81	0.91

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	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868
Mitigated	5.4267	13.1993	55.5312	0.1710	11.9314	0.2293	12.1607	3.1883	0.2115	3.3998		13,083.7909	13,083.7909	0.4617		13,093.4868

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1980.30	5,624,290	5,624,290

Enclosed Parking Structure	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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-	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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.672 0	2,609.6720	0.0500	0.0478	2,625.554 0
NaturalGas Unmitigated	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.936 7	2,846.9367	0.0546	0.0522	2,864.262 7

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	24199	0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627
Enclosed Parking Structure	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		0.2610	2.2301	0.9490	0.0142		0.1803	0.1803		0.1803	0.1803		2,846.9367	2,846.9367	0.0546	0.0522	2,864.2627

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
Condo/Townhouse High Rise	22,182	0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540
Enclosed Parking Structure	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		0.2392	2.0442	0.8699	0.0131		0.1653	0.1653		0.1653	0.1653		2,609.6720	2,609.6720	0.0500	0.0478	2,625.5540

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731
Mitigated	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

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	6.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9376	4.0000e-005	0.0511	0.0000		0.6478	0.6478		0.6410	0.6410	0.0000	10,228.2353	10,228.2353	0.1960	0.1875	10,290.4826
Landscaping	1.2216	0.4621	40.0587	2.1100e-003		0.2206	0.2206		0.2206	0.2206		72.0155	72.0155	0.0702		73.4905
Total	45.0890	0.4622	40.1098	2.1100e-003		0.8684	0.8684		0.8615	0.8615	0.0000	10,300.2508	10,300.2508	0.2663	0.1875	10,363.9731

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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 Vegetation

10130 Constellation Park - as in the 2006 EIR - As Proposed & BAU South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	1,208.00	Space	2.00	483,200.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Condo/Townhouse High Rise	483.00	Dwelling Unit	1.80	1,292,358.00	1381

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage and square footage from project description, 4-level parking structure subterranean

Construction Phase - No construction analyzed.

Off-road Equipment - Equipment per the 2006 EIR.

Off-road Equipment - Equipment per the 2006 EIR.

Trips and VMT -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates, lengths and percentages from 2006 EIR, 4.1 trips/unit maximum daily rate used for all days, city park represents landscaping. Set trip lengths to match CalEEMod 2014 4.4 values

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assume no wood burning allowed, and that all residences has a natural gas fireplace.

Area Coating -

Energy Use - Historical data option loads 2005 Title 24 energy rates.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	410.55	483.00
tblFireplaces	NumberNoFireplace	48.30	0.00
tblFireplaces	NumberWood	24.15	0.00
tblLandUse	LandUseSquareFeet	483,000.00	1,292,358.00
tblLandUse	LotAcreage	10.87	2.00
tblLandUse	LotAcreage	7.55	1.80
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	HO_TL	8.70	7.50
tblVehicleTrips	HS_TL	5.90	7.30
tblVehicleTrips	HW_TL	14.70	10.80
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	4.10
tblVehicleTrips	SU_TR	1.59	0.00

tblVehicleTrips	SU_TR	6.07	4.10
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	4.10
tblWoodstoves	NumberCatalytic	24.15	0.00
tblWoodstoves	NumberNoncatalytic	24.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258
Energy	0.0476	0.4070	0.1732	2.6000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	3,123.7735	3,123.7735	0.0787	0.0351	3,136.2980
Mobile	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Waste						0.0000	0.0000		0.0000	0.0000	45.1310	0.0000	45.1310	2.6672	0.0000	101.1414
Water						0.0000	0.0000		0.0000	0.0000	9.9838	326.8411	336.8248	1.0340	0.0275	367.0546
Total	8.9835	2.9141	15.3566	0.0343	2.1321	0.1102	2.2422	0.5706	0.1069	0.6774	55.1148	5,758.4152	5,813.5300	3.8662	0.0647	5,914.7654

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	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258
Energy	0.0437	0.3731	0.1588	2.3800e-003		0.0302	0.0302		0.0302	0.0302	0.0000	2,894.8535	2,894.8535	0.0730	0.0325	2,906.4485
Mobile	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Waste						0.0000	0.0000		0.0000	0.0000	45.1310	0.0000	45.1310	2.6672	0.0000	101.1414
Water						0.0000	0.0000		0.0000	0.0000	9.4846	303.7331	313.2177	0.9821	0.0260	341.9114
Total	8.9795	2.8802	15.3422	0.0341	2.1321	0.1074	2.2395	0.5706	0.1041	0.6747	54.6156	5,506.3872	5,561.0028	3.8085	0.0606	5,659.7727

	ROG	NOx	CO	SO2	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	0.04	1.16	0.09	0.64	0.00	2.50	0.12	0.00	2.57	0.41	0.91	4.38	4.34	1.49	6.26	4.31

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	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456
Unmitigated	0.9368	2.4494	10.1754	0.0315	2.1321	0.0416	2.1737	0.5706	0.0384	0.6090	0.0000	2,183.6480	2,183.6480	0.0761	0.0000	2,185.2456

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290
Enclosed Parking Structure	0.00	0.00	0.00		
Total	1,980.30	1,980.30	1,980.30	5,624,290	5,624,290

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-	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
Condo/Townhouse High Rise	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

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

NaturalGas Mitigated	0.0437	0.3731	0.1588	2.3800e-003		0.0302	0.0302		0.0302	0.0302	0.0000	432.0605	432.0605	8.2800e-003	7.9200e-003	434.6899
NaturalGas Unmitigated	0.0476	0.4070	0.1732	2.6000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	471.3423	471.3423	9.0300e-003	8.6400e-003	474.2108
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,462.7930	2,462.7930	0.0647	0.0245	2,471.7586
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,652.4312	2,652.4312	0.0697	0.0264	2,662.0872

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8.83262e+006	0.0476	0.4070	0.1732	2.6000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	471.3423	471.3423	9.0300e-003	8.6400e-003	474.2108
Enclosed Parking Structure	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		0.0476	0.4070	0.1732	2.6000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	471.3423	471.3423	9.0300e-003	8.6400e-003	474.2108

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
Condo/Townhouse High Rise	8.09651e+006	0.0437	0.3731	0.1588	2.3800e-003		0.0302	0.0302		0.0302	0.0302	0.0000	432.0605	432.0605	8.2800e-003	7.9200e-003	434.6899

Enclosed Parking Structure	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	0.0000	0.0000
Total		0.0437	0.3731	0.1588	2.3800e-003		0.0302	0.0302		0.0302	0.0302	0.0000	432.0605	432.0605	8.2800e-003	7.9200e-003	434.6899

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
Condo/Townhouse High Rise	2.13179e+006	1,067.5270	0.0280	0.0106	1,071.4132
Enclosed Parking Structure	3.16496e+006	1,584.9043	0.0416	0.0158	1,590.6740
Total		2,652.4312	0.0697	0.0264	2,662.0872

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
Condo/Townhouse High Rise	2.06959e+006	1,036.3792	0.0272	0.0103	1,040.1520
Enclosed Parking Structure	2.84846e+006	1,426.4139	0.0375	0.0142	1,431.6066
Total		2,462.7931	0.0647	0.0245	2,471.7586

Hearth	0.0117	0.0000	6.4000e-004	0.0000		8.1000e-003	8.1000e-003		8.0100e-003	8.0100e-003	0.0000	115.9862	115.9862	2.2200e-003	2.1300e-003	116.6921
Landscaping	0.1527	0.0578	5.0073	2.6000e-004		0.0276	0.0276		0.0276	0.0276	0.0000	8.1664	8.1664	7.9600e-003	0.0000	8.3337
Total	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258

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	1.1511					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6836					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0117	0.0000	6.4000e-004	0.0000		8.1000e-003	8.1000e-003		8.0100e-003	8.0100e-003	0.0000	115.9862	115.9862	2.2200e-003	2.1300e-003	116.6921
Landscaping	0.1527	0.0578	5.0073	2.6000e-004		0.0276	0.0276		0.0276	0.0276	0.0000	8.1664	8.1664	7.9600e-003	0.0000	8.3337
Total	7.9991	0.0578	5.0080	2.6000e-004		0.0357	0.0357		0.0356	0.0356	0.0000	124.1527	124.1527	0.0102	2.1300e-003	125.0258

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	336.8248	1.0340	0.0275	367.0546

Mitigated	313.2177	0.9821	0.0260	341.9114
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.02552	11.2690	3.0000e-004	1.1000e-004	11.3100
Condo/Townhouse High Rise	31.4694 / 19.8394	325.5559	1.0337	0.0274	355.7446
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		336.8248	1.0340	0.0275	367.0546

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.92424	10.7055	2.8000e-004	1.1000e-004	10.7445
Condo/Townhouse High Rise	29.8959 / 18.8474	302.5122	0.9819	0.0259	331.1669
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		313.2177	0.9821	0.0260	341.9114

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	45.1310	2.6672	0.0000	101.1414
Unmitigated	45.1310	2.6672	0.0000	101.1414

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.15	0.0305	1.8000e-003	0.0000	0.0682
Condo/Townhouse High Rise	222.18	45.1005	2.6654	0.0000	101.0732
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		45.1310	2.6672	0.0000	101.1414

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.15	0.0305	1.8000e-003	0.0000	0.0682
Condo/Townhouse High Rise	222.18	45.1005	2.6654	0.0000	101.0732
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		45.1310	2.6672	0.0000	101.1414

9.0 Operational Offroad

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

Century City Center - Modified Project - Published Rates - BAU
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - Set to 2005 CBC levels.

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00
tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Total	48.1185	31.6234	131.4685	0.4326	27.7100	0.7161	28.4261	7.4045	0.6749	8.0795		34,812.9559	34,812.9559	1.1280	0.0534	34,853.1981

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Total	48.1185	31.6234	131.4685	0.4326	27.7100	0.7161	28.4261	7.4045	0.6749	8.0795		34,812.9559	34,812.9559	1.1280	0.0534	34,853.1981

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Mitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
NaturalGas Unmitigated	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24737.9	0.2668	2.4253	2.0372	0.0146		0.1843	0.1843		0.1843	0.1843		2,910.3385	2,910.3385	0.0558	0.0534	2,928.0503
Strip Mall	20.5436	2.2000e-004	2.0100e-003	1.6900e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.4169	2.4169	5.0000e-005	4.0000e-005	2.4316
Total		0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24.7379	0.2668	2.4253	2.0372	0.0146		0.1843	0.1843		0.1843	0.1843		2,910.3385	2,910.3385	0.0558	0.0534	2,928.0503
Strip Mall	0.0205436	2.2000e-004	2.0100e-003	1.6900e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.4169	2.4169	5.0000e-005	4.0000e-005	2.4316
Total		0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

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					
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003			0.5335

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 Vegetation

Century City Center - Modified Project - Published Rates - BAU

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - Set to 2005 CBC levels.

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00
tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Total	48.5011	33.0871	131.2681	0.4116	27.7100	0.7179	28.4279	7.4045	0.6766	8.0811		33,300.0384	33,300.0384	1.1295	0.0534	33,340.3123

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Total	48.5011	33.0871	131.2681	0.4116	27.7100	0.7179	28.4279	7.4045	0.6766	8.0811		33,300.0384	33,300.0384	1.1295	0.0534	33,340.3123

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Mitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819
NaturalGas Unmitigated	0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24737.9	0.2668	2.4253	2.0372	0.0146		0.1843	0.1843		0.1843	0.1843		2,910.3385	2,910.3385	0.0558	0.0534	2,928.0503
Strip Mall	20.5436	2.2000e-004	2.0100e-003	1.6900e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.4169	2.4169	5.0000e-005	4.0000e-005	2.4316
Total		0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24.7379	0.2668	2.4253	2.0372	0.0146		0.1843	0.1843		0.1843	0.1843		2,910.3385	2,910.3385	0.0558	0.0534	2,928.0503
Strip Mall	0.0205436	2.2000e-004	2.0100e-003	1.6900e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.4169	2.4169	5.0000e-005	4.0000e-005	2.4316
Total		0.2670	2.4273	2.0389	0.0146		0.1845	0.1845		0.1845	0.1845		2,912.7554	2,912.7554	0.0558	0.0534	2,930.4819

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					
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Modified Project - Published Rates - BAU South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - Set to 2005 CBC levels.

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00
tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	8,186.2176	8,186.2176	0.2116	0.0856	8,217.1980
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Waste						0.0000	0.0000		0.0000	0.0000	137.9019	0.0000	137.9019	8.1498	0.0000	309.0471
Water						0.0000	0.0000		0.0000	0.0000	41.0240	1,284.0924	1,325.1164	4.2473	0.1123	1,449.1180
Total	8.7256	6.1323	24.0378	0.0758	4.9515	0.1304	5.0820	1.3251	0.1229	1.4480	178.9259	14,541.8364	14,720.7623	12.7855	0.1979	15,050.6032

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	8,186.2176	8,186.2176	0.2116	0.0856	8,217.1980
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Waste						0.0000	0.0000		0.0000	0.0000	137.9019	0.0000	137.9019	8.1498	0.0000	309.0471
Water						0.0000	0.0000		0.0000	0.0000	41.0240	1,284.0924	1,325.1164	4.2465	0.1120	1,449.0115
Total	8.7256	6.1323	24.0378	0.0758	4.9515	0.1304	5.0820	1.3251	0.1229	1.4480	178.9259	14,541.8364	14,720.7623	12.7848	0.1976	15,050.4967

	ROG	NOx	CO	SO2	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	0.01	0.15	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	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Unmitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.2393	482.2393	9.2400e-003	8.8400e-003	485.1742
NaturalGas Unmitigated	0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.2393	482.2393	9.2400e-003	8.8400e-003	485.1742
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,703.9783	7,703.9783	0.2024	0.0768	7,732.0238
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,703.9783	7,703.9783	0.2024	0.0768	7,732.0238

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9.02933e+006	0.0487	0.4426	0.3718	2.6600e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.8392	481.8392	9.2400e-003	8.8300e-003	484.7716

Strip Mall	7498.4	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4001	0.4001	1.0000e-005	1.0000e-005	0.4026
Total		0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.2393	482.2393	9.2500e-003	8.8400e-003	485.1742

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9.02933e+006	0.0487	0.4426	0.3718	2.6600e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.8392	481.8392	9.2400e-003	8.8300e-003	484.7716
Strip Mall	7498.4	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4001	0.4001	1.0000e-005	1.0000e-005	0.4026
Total		0.0487	0.4430	0.3721	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.2393	482.2393	9.2500e-003	8.8400e-003	485.1742

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.10616e+007	5,539.2976	0.1455	0.0552	5,559.4628
Strip Mall	65755.2	32.9280	8.6000e-004	3.3000e-004	33.0478
Total		7,703.9783	0.2024	0.0768	7,732.0238

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.10616e+007	5,539.2976	0.1455	0.0552	5,559.4628
Strip Mall	65755.2	32.9280	8.6000e-004	3.3000e-004	33.0478
Total		7,703.9783	0.2024	0.0768	7,732.0238

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,325.1164	4.2473	0.1123	1,449.1180
Mitigated	1,325.1164	4.2465	0.1120	1,449.0115

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	129.004 / 79.0673	1,321.9891	4.2373	0.1120	1,445.6980
Strip Mall	0.305179 / 0.187045	3.1274	0.0100	2.7000e-004	3.4200
Total		1,325.1164	4.2473	0.1123	1,449.1180

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000

General Office Building	129.004 / 79.0673	1,321.9891	4.2365	0.1117	1,445.5917
Strip Mall	0.305179 / 0.187045	3.1274	0.0100	2.6000e-004	3.4198
Total		1,325.1164	4.2465	0.1120	1,449.0115

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	137.9019	8.1498	0.0000	309.0471
Unmitigated	137.9019	8.1498	0.0000	309.0471

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	675.02	137.0230	8.0978	0.0000	307.0773
Strip Mall	4.33	0.8790	0.0519	0.0000	1.9698

Total		137.9019	8.1498	0.0000	309.0471
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Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	675.02	137.0230	8.0978	0.0000	307.0773
Strip Mall	4.33	0.8790	0.0519	0.0000	1.9698
Total		137.9019	8.1498	0.0000	309.0471

9.0 Operational Offroad

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

Century City Center - Modified Project - Published Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - .

Area Mitigation -

Energy Mitigation - Project constructed to 2013 CBC which results in 25% improvement over CalEEMod defaults.

Water Mitigation - Project constructed to 2013 CBC and incorporates stringent water controls, resulting in 35% improvement over CalEEMod defaults.

Waste Mitigation - Project constructed to 2013 CBC which results in 50% improvement over CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00
tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Total	48.0861	31.3289	131.2211	0.4308	27.7100	0.6937	28.4037	7.4045	0.6526	8.0571		34,459.5320	34,459.5320	1.1212	0.0469	34,497.6233

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930
Mobile	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Total	48.0295	30.8148	130.7893	0.4278	27.7100	0.6547	28.3646	7.4045	0.6135	8.0180		33,842.6720	33,842.6720	1.1094	0.0356	33,877.0092

	ROG	NOx	CO	SO2	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	0.12	1.64	0.33	0.72	0.00	5.63	0.14	0.00	5.99	0.48	0.00	1.79	1.79	1.05	24.10	1.80

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827
Mitigated	12.2258	29.1939	129.1929	0.4180	27.7100	0.5308	28.2407	7.4045	0.4896	7.8942		31,899.6952	31,899.6952	1.0708		31,922.1827

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930
NaturalGas Unmitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21735.1	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	19.189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	16.4952	0.1779	1.6172	1.3584	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.6156	1,940.6156	0.0372	0.0356	1,952.4259
Strip Mall	0.0157745	1.7000e-004	1.5500e-003	1.3000e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8558	1.8558	4.0000e-005	3.0000e-005	1.8671
Total		0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Modified Project - Published Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - .

Area Mitigation -

Energy Mitigation - Project constructed to 2013 CBC which results in 25% improvement over CalEEMod defaults.

Water Mitigation - Project constructed to 2013 CBC and incorporates stringent water controls, resulting in 35% improvement over CalEEMod defaults.

Waste Mitigation - Project constructed to 2013 CBC which results in 50% improvement over CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	0.00
tblLandUse	LotAcreage	16.66	4.41
tblLandUse	LotAcreage	14.21	1.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Total	48.4687	32.7926	131.0207	0.4098	27.7100	0.6955	28.4055	7.4045	0.6542	8.0587		32,946.6145	32,946.6145	1.1227	0.0469	32,984.7375

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	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930
Mobile	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Total	48.4122	32.2786	130.5889	0.4068	27.7100	0.6564	28.3664	7.4045	0.6151	8.0197		32,329.7545	32,329.7545	1.1109	0.0356	32,364.1233

	ROG	NOx	CO	SO2	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	0.12	1.57	0.33	0.75	0.00	5.62	0.14	0.00	5.97	0.48	0.00	1.87	1.87	1.05	24.10	1.88

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968
Mitigated	12.6084	30.6577	128.9925	0.3970	27.7100	0.5326	28.2425	7.4045	0.4913	7.8958		30,386.7777	30,386.7777	1.0723		30,409.2968

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930
NaturalGas Unmitigated	0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21735.1	0.2344	2.1309	1.7900	0.0128		0.1620	0.1620		0.1620	0.1620		2,557.0739	2,557.0739	0.0490	0.0469	2,572.6359
Strip Mall	19.189	2.1000e-004	1.8800e-003	1.5800e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.2575	2.2575	4.0000e-005	4.0000e-005	2.2713
Total		0.2346	2.1328	1.7915	0.0128		0.1621	0.1621		0.1621	0.1621		2,559.3315	2,559.3315	0.0491	0.0469	2,574.9071

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	16.4952	0.1779	1.6172	1.3584	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.6156	1,940.6156	0.0372	0.0356	1,952.4259
Strip Mall	0.0157745	1.7000e-004	1.5500e-003	1.3000e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8558	1.8558	4.0000e-005	3.0000e-005	1.8671
Total		0.1781	1.6187	1.3597	9.7100e-003		0.1230	0.1230		0.1230	0.1230		1,942.4714	1,942.4714	0.0372	0.0356	1,954.2930

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6257	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Modified Project - Published Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	725.83	1000sqft	4.41	725,830.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	4.12	1000sqft	0.09	4,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1104	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rates all set to the Published ITE daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis. The retail would not attract trips, just local workers.

Woodstoves -

Area Coating -

Energy Use - .

Area Mitigation -

Energy Mitigation - Project constructed to 2013 CBC which results in 25% improvement over CalEEMod defaults.

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Waste Mitigation - Project constructed to 2013 CBC which results in 50% improvement over CalEEMod defaults.

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tblVehicleTrips	ST_TR	2.37	6.34
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.34
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.34
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0428	0.3892	0.3270	2.3400e-003		0.0296	0.0296		0.0296	0.0296	0.0000	7,868.0100	7,868.0100	0.2037	0.0819	7,897.6889
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Waste						0.0000	0.0000		0.0000	0.0000	137.9019	0.0000	137.9019	8.1498	0.0000	309.0471
Water						0.0000	0.0000		0.0000	0.0000	41.0240	1,284.0924	1,325.1164	4.2473	0.1123	1,449.1180
Total	8.7197	6.0785	23.9927	0.0754	4.9515	0.1263	5.0779	1.3251	0.1188	1.4439	178.9259	14,223.6288	14,402.5547	12.7776	0.1942	14,731.0941

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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0325	0.2954	0.2482	1.7700e-003		0.0225	0.0225		0.0225	0.0225	0.0000	6,341.3094	6,341.3094	0.1643	0.0659	6,365.1807
Mobile	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Waste						0.0000	0.0000		0.0000	0.0000	68.9510	0.0000	68.9510	4.0749	0.0000	154.5235
Water						0.0000	0.0000		0.0000	0.0000	26.6656	815.6381	842.3036	2.7602	0.0728	922.8354
Total	8.7094	5.9847	23.9139	0.0749	4.9515	0.1192	5.0707	1.3251	0.1117	1.4368	95.6166	12,228.4737	12,324.0903	7.1763	0.1387	12,517.7798

	ROG	NOx	CO	SO2	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	0.12	1.54	0.33	0.76	0.00	5.64	0.14	0.00	6.00	0.49	46.56	14.03	14.43	43.84	28.61	15.02

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Building Construction	9	499.00	223.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797
Unmitigated	2.1764	5.6890	23.6361	0.0731	4.9515	0.0966	5.0482	1.3251	0.0891	1.4143	0.0000	5,071.4690	5,071.4690	0.1767	0.0000	5,075.1797

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,601.76	4,601.76	4601.76	13,062,049	13,062,049
Strip Mall	0.00	0.00	0.00		
Total	4,601.76	4,601.76	4,601.76	13,062,049	13,062,049

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.93332e+006	0.0428	0.3889	0.3267	2.3300e-003	0.0296	0.0296	0.0296	0.0296	0.0000	423.3523	423.3523	8.1100e-003	7.7600e-003	425.9287	
Strip Mall	7004	4.0000e-005	3.4000e-004	2.9000e-004	0.0000	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.3738	0.3738	1.0000e-005	1.0000e-005	0.3760	
Total		0.0428	0.3892	0.3270	2.3300e-003	0.0296	0.0296	0.0296	0.0296	0.0000	423.7260	423.7260	8.1200e-003	7.7700e-003	426.3048	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	6.02076e+006	0.0325	0.2951	0.2479	1.7700e-003		0.0224	0.0224		0.0224	0.0224	0.0000	321.2907	321.2907	6.1600e-003	5.8900e-003	323.2460
Strip Mall	5757.7	3.0000e-005	2.8000e-004	2.4000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3073	0.3073	1.0000e-005	1.0000e-005	0.3091
Total		0.0325	0.2954	0.2482	1.7700e-003		0.0225	0.0225		0.0225	0.0225	0.0000	321.5979	321.5979	6.1700e-003	5.9000e-003	323.5551

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.05463e+007	5,281.2332	0.1387	0.0526	5,300.4590
Strip Mall	62500.4	31.2981	8.2000e-004	3.1000e-004	31.4120

Total		7,444.2840	0.1956	0.0742	7,471.3842
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.22274e+006	1,613.8380	0.0424	0.0161	1,619.7131
General Office Building	8.74807e+006	4,380.7339	0.1151	0.0437	4,396.6815
Strip Mall	50202.2	25.1396	6.6000e-004	2.5000e-004	25.2311
Total		6,019.7114	0.1581	0.0600	6,041.6256

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

Unmitigated	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
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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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5004	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,325.1164	4.2473	0.1123	1,449.1180
Mitigated	842.3036	2.7602	0.0728	922.8354

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	129.004 / 79.0673	1,321.9891	4.2373	0.1120	1,445.6980
Strip Mall	0.305179 / 0.187045	3.1274	0.0100	2.7000e-004	3.4200
Total		1,325.1164	4.2473	0.1123	1,449.1180

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	83.8529 / 51.3937	840.3158	2.7537	0.0726	920.6575
Strip Mall	0.198366 / 0.121579	1.9879	6.5100e-003	1.7000e-004	2.1780
Total		842.3037	2.7602	0.0728	922.8354

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	68.9510	4.0749	0.0000	154.5235
Unmitigated	137.9019	8.1498	0.0000	309.0471

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	675.02	137.0230	8.0978	0.0000	307.0773
Strip Mall	4.33	0.8790	0.0519	0.0000	1.9698
Total		137.9019	8.1498	0.0000	309.0471

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	337.51	68.5115	4.0489	0.0000	153.5386
Strip Mall	2.165	0.4395	0.0260	0.0000	0.9849
Total		68.9510	4.0749	0.0000	154.5235

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published Rates - BAU
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Historical data represents 2005 Title 24 energy use.

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.9090	31.0939	129.2834	0.4254	27.2492	0.7039	27.9532	7.2814	0.6635	7.9449		34,229.7079	34,229.7079	1.1092	0.0524	34,269.2546

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.9090	31.0939	129.2834	0.4254	27.2492	0.7039	27.9532	7.2814	0.6635	7.9449		34,229.7079	34,229.7079	1.1092	0.0524	34,269.2546

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77
Mitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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- NW	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
NaturalGas Unmitigated	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24212	0.2611	2.3737	1.9939	0.0142		0.1804	0.1804		0.1804	0.1804		2,848.4693	2,848.4693	0.0546	0.0522	2,865.8046
Strip Mall	97.2329	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		11.4392	11.4392	2.2000e-004	2.1000e-004	11.5088
Total		0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24.212	0.2611	2.3737	1.9939	0.0142		0.1804	0.1804		0.1804	0.1804		2,848.4693	2,848.4693	0.0546	0.0522	2,865.8046
Strip Mall	0.0972329	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		11.4392	11.4392	2.2000e-004	2.1000e-004	11.5088
Total		0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day						
Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335

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	8.6446						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	26.9577						0.0000	0.0000		0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Alt. 9: Enhanced Retail - Published Rates - BAU
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Historical data represents 2005 Title 24 energy use.

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.2853	32.5334	129.0863	0.4047	27.2492	0.7057	27.9549	7.2814	0.6651	7.9465		32,741.9459	32,741.9459	1.1107	0.0524	32,781.5237

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.2853	32.5334	129.0863	0.4047	27.2492	0.7057	27.9549	7.2814	0.6651	7.9465		32,741.9459	32,741.9459	1.1107	0.0524	32,781.5237

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.53	29,881.532	1.0545		29,903.67
Mitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.53	29,881.532	1.0545		29,903.67

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134
NaturalGas Unmitigated	0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24212	0.2611	2.3737	1.9939	0.0142		0.1804	0.1804		0.1804	0.1804		2,848.4693	2,848.4693	0.0546	0.0522	2,865.8046
Strip Mall	97.2329	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		11.4392	11.4392	2.2000e-004	2.1000e-004	11.5088
Total		0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	24.212	0.2611	2.3737	1.9939	0.0142		0.1804	0.1804		0.1804	0.1804		2,848.4693	2,848.4693	0.0546	0.0522	2,865.8046
Strip Mall	0.0972329	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		11.4392	11.4392	2.2000e-004	2.1000e-004	11.5088
Total		0.2622	2.3833	2.0019	0.0143		0.1811	0.1811		0.1811	0.1811		2,859.9085	2,859.9085	0.0548	0.0524	2,877.3134

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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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
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SubCategory	lb/day								lb/day						
Architectural Coating	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003	0.5335

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	8.6446						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	26.9577						0.0000	0.0000		0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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 Vegetation

Century City Center - Alt. 9: Enhanced Retail - Published Rates - BAU South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Historical data represents 2005 Title 24 energy use.

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblLandUse	LotAcreage	16.31	4.40
tblLandUse	LotAcreage	14.21	1.00
tblLandUse	LotAcreage	0.45	0.10
tblProjectCharacteristics	CO2IntensityFactor	1227.89	1104
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleTrips	CW_TL	16.60	12.70
tblVehicleTrips	ST_TR	2.37	6.37
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	0.98	6.37
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.01	6.37
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0478	0.4349	0.3654	2.6100e-003		0.0331	0.0331		0.0331	0.0331	0.0000	8,182.6319	8,182.6319	0.2116	0.0855	8,213.5778
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.6883	6.0297	23.6381	0.0745	4.8692	0.1282	4.9974	1.3031	0.1208	1.4239	178.7827	14,438.0062	14,616.7889	12.7515	0.1964	14,945.4498

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0478	0.4349	0.3654	2.6100e-003		0.0331	0.0331		0.0331	0.0331	0.0000	8,182.6319	8,182.6319	0.2116	0.0855	8,213.5778

Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Unmitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.83738e+006	0.0477	0.4332	0.3639	2.6000e-003	0.0329	0.0329	0.0329	0.0329	0.0000	471.5960	471.5960	9.0400e-003	8.6500e-003	474.4661		
Strip Mall	35490	1.9000e-004	1.7400e-003	1.4600e-003	1.0000e-005	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	0.0000	1.8939	1.8939	4.0000e-005	3.0000e-005	1.9054		
Total		0.0478	0.4349	0.3654	2.6100e-003	0.0331	0.0331	0.0331	0.0331	0.0000	473.4899	473.4899	9.0800e-003	8.6800e-003	476.3715		

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	8.83738e+006	0.0477	0.4332	0.3639	2.6000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	471.5960	471.5960	9.0400e-003	8.6500e-003	474.4661
Strip Mall	35490	1.9000e-004	1.7400e-003	1.4600e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8939	1.8939	4.0000e-005	3.0000e-005	1.9054
Total		0.0478	0.4349	0.3654	2.6100e-003		0.0331	0.0331		0.0331	0.0331	0.0000	473.4899	473.4899	9.0800e-003	8.6800e-003	476.3715

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.08265e+007	5,421.5408	0.1424	0.0540	5,441.2774
Strip Mall	311220	155.8484	4.0900e-003	1.5500e-003	156.4157

Total		7,709.1420	0.2025	0.0768	7,737.2063
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.08265e+007	5,421.5408	0.1424	0.0540	5,441.2774
Strip Mall	311220	155.8484	4.0900e-003	1.5500e-003	156.4157
Total		7,709.1420	0.2025	0.0768	7,737.2063

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	1,308.6875	4.1939	0.1106	1,431.0465

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1464	0.1094	1,414.8607
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1857
Total		1,308.6875	4.1939	0.1106	1,431.0465

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	138.2673	8.1714	0.0000	309.8659
Unmitigated	138.2673	8.1714	0.0000	309.8659

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492

Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.8773	30.8052	129.0408	0.4237	27.2492	0.6820	27.9312	7.2814	0.6415	7.9229		33,883.1990	33,883.1990	1.1025	0.0461	33,920.6368

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575
Mobile	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.2941	31,369.2941	1.0530		31,391.4077
Total	47.8218	30.3008	128.6171	0.4206	27.2492	0.6437	27.8929	7.2814	0.6032	7.8846		33,277.9442	33,277.9442	1.0909	0.0350	33,311.6986

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.12	1.64	0.33	0.72	0.00	5.62	0.14	0.00	5.98	0.48	0.00	1.79	1.79	1.05	24.09	1.80
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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77
Mitigated	12.0225	28.7085	127.0448	0.4111	27.2492	0.5220	27.7712	7.2814	0.4815	7.7629		31,369.29 41	31,369.294 1	1.0530		31,391.40 77

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	16.1446	0.1741	1.5828	1.3296	9.5000e-003		0.1203	0.1203		0.1203	0.1203		1,899.3612	1,899.3612	0.0364	0.0348	1,910.9204	
Strip Mall	0.074661	8.1000e-004	7.3200e-003	6.1500e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		8.7836	8.7836	1.7000e-004	1.6000e-004	8.8371	
Total		0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575	

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.2535	32.2446	128.8437	0.4030	27.2492	0.6838	27.9330	7.2814	0.6431	7.9246		32,395.4370	32,395.4370	1.1040	0.0461	32,432.9060

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	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Energy	0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575
Mobile	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Total	48.1981	31.7402	128.4201	0.4000	27.2492	0.6454	27.8946	7.2814	0.6048	7.8862		31,790.1823	31,790.1823	1.0924	0.0350	31,823.9678

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.11	1.56	0.33	0.75	0.00	5.61	0.14	0.00	5.96	0.48	0.00	1.87	1.87	1.05	24.09	1.88
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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768
Mitigated	12.3988	30.1479	126.8477	0.3904	27.2492	0.5237	27.7729	7.2814	0.4831	7.7645		29,881.5322	29,881.5322	1.0545		29,903.6768

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575
NaturalGas Unmitigated	0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	21273.1	0.2294	2.0856	1.7519	0.0125		0.1585	0.1585		0.1585	0.1585		2,502.7146	2,502.7146	0.0480	0.0459	2,517.9457
Strip Mall	90.8219	9.8000e-004	8.9000e-003	7.4800e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004		10.6849	10.6849	2.0000e-004	2.0000e-004	10.7500
Total		0.2304	2.0945	1.7594	0.0126		0.1592	0.1592		0.1592	0.1592		2,513.3995	2,513.3995	0.0482	0.0461	2,528.6957

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	16.1446	0.1741	1.5828	1.3296	9.5000e-003		0.1203	0.1203		0.1203	0.1203		1,899.3612	1,899.3612	0.0364	0.0348	1,910.9204	
Strip Mall	0.074661	8.1000e-004	7.3200e-003	6.1500e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		8.7836	8.7836	1.7000e-004	1.6000e-004	8.8371	
Total		0.1749	1.5901	1.3357	9.5400e-003		0.1209	0.1209		0.1209	0.1209		1,908.1448	1,908.1448	0.0366	0.0350	1,919.7575	

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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					
Unmitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Mitigated	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

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	8.6446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.9577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0221	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335
Total	35.6244	2.1700e-003	0.2367	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5053	0.5053	1.3400e-003		0.5335

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Century City Center - Alt. 9: Enhanced Retail - Published Rates South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	710.40	1000sqft	4.40	710,400.00	0
Enclosed Parking with Elevator	1,579.00	Space	1.00	631,600.00	0
Strip Mall	19.50	1000sqft	0.10	19,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1104	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 1,104 CO2 intensity factor for 2010 from LADWP 2011 Power Integrated Resource Plan-Appendix C.

Land Use - Lot acreage from project description

Construction Phase - No construction modeled.

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Trip rates all set to the peak daily rate from the traffic study, 12.7 mile C-W trip length from regional analysis.

Vehicle Emission Factors -

Vehicle Emission Factors -

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0421	0.3823	0.3211	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	7,864.9708	7,864.9708	0.2036	0.0819	7,894.6200
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	138.2673	0.0000	138.2673	8.1714	0.0000	309.8659
Water						0.0000	0.0000		0.0000	0.0000	40.5154	1,268.1721	1,308.6875	4.1946	0.1109	1,431.1517
Total	8.6825	5.9770	23.5938	0.0742	4.8692	0.1242	4.9934	1.3031	0.1168	1.4199	178.7827	14,120.3451	14,299.1278	12.7435	0.1927	14,626.4920

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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Energy	0.0319	0.2902	0.2438	1.7400e-003		0.0221	0.0221		0.0221	0.0221	0.0000	6,336.3449	6,336.3449	0.1642	0.0658	6,360.1843
Mobile	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Waste						0.0000	0.0000		0.0000	0.0000	69.1337	0.0000	69.1337	4.0857	0.0000	154.9330

Water						0.0000	0.0000		0.0000	0.0000	26.3350	805.5257	831.8607	2.7260	0.0719	911.3940
Total	8.6723	5.8849	23.5165	0.0736	4.8692	0.1172	4.9864	1.3031	0.1098	1.4129	95.4686	12,129.0728	12,224.5415	7.1498	0.1377	12,417.3656

	ROG	NOx	CO	SO2	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	0.12	1.54	0.33	0.74	0.00	5.64	0.14	0.00	5.99	0.49	46.60	14.10	14.51	43.89	28.57	15.10

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2015	12/31/2014	5	0	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939
Unmitigated	2.1402	5.5945	23.2431	0.0719	4.8692	0.0950	4.9642	1.3031	0.0877	1.3907	0.0000	4,987.1449	4,987.1449	0.1738	0.0000	4,990.7939

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864
Strip Mall	0.00	0.00	0.00		
Total	4,525.25	4,525.25	4,525.25	12,844,864	12,844,864

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.70	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	7.76467e+006	0.0419	0.3806	0.3197	2.2800e-003	0.0289	0.0289	0.0289	0.0289	0.0000	414.3525	414.3525	7.9400e-003	7.6000e-003	416.8742		
Strip Mall	33150	1.8000e-004	1.6200e-003	1.3700e-003	1.0000e-005	1.2000e-004	1.2000e-004	1.2000e-004	1.2000e-004	0.0000	1.7690	1.7690	3.0000e-005	3.0000e-005	1.7798		
Total		0.0421	0.3822	0.3211	2.2900e-003	0.0291	0.0291	0.0291	0.0291	0.0000	416.1215	416.1215	7.9700e-003	7.6300e-003	418.6539		

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	5.89277e+006	0.0318	0.2889	0.2426	1.7300e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.4605	314.4605	6.0300e-003	5.7700e-003	316.3743
Strip Mall	27251.3	1.5000e-004	1.3400e-003	1.1200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4542	1.4542	3.0000e-005	3.0000e-005	1.4631
Total		0.0319	0.2902	0.2438	1.7400e-003		0.0221	0.0221		0.0221	0.0221	0.0000	315.9148	315.9148	6.0600e-003	5.8000e-003	317.8374

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.25698e+006	2,131.7528	0.0560	0.0212	2,139.5132
General Office Building	1.03221e+007	5,168.9625	0.1358	0.0515	5,187.7796
Strip Mall	295815	148.1341	3.8900e-003	1.4800e-003	148.6734

Total		7,448.8493	0.1957	0.0742	7,475.9661
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	3.22274e+006	1,613.8380	0.0424	0.0161	1,619.7131
General Office Building	8.5621e+006	4,287.6064	0.1126	0.0427	4,303.2150
Strip Mall	237608	118.9858	3.1300e-003	1.1900e-003	119.4189
Total		6,020.4302	0.1582	0.0600	6,042.3469

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

Unmitigated	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
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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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

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	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7600e-003	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605
Total	6.5002	2.7000e-004	0.0296	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0573	0.0573	1.5000e-004	0.0000	0.0605

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,308.6875	4.1946	0.1109	1,431.1517
Mitigated	831.8607	2.7260	0.0719	911.3940

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	126.262 / 77.3864	1,293.8857	4.1472	0.1096	1,414.9648
Strip Mall	1.44441 / 0.885286	14.8018	0.0474	1.2500e-003	16.1869
Total		1,308.6875	4.1946	0.1109	1,431.1517

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	82.0703 / 50.3012	822.4520	2.6952	0.0711	901.0858
Strip Mall	0.938869 / 0.575436	9.4087	0.0308	8.1000e-004	10.3083
Total		831.8607	2.7260	0.0719	911.3940

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	69.1337	4.0857	0.0000	154.9330
Unmitigated	138.2673	8.1714	0.0000	309.8659

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	660.67	134.1100	7.9257	0.0000	300.5492
Strip Mall	20.48	4.1573	0.2457	0.0000	9.3167
Total		138.2673	8.1714	0.0000	309.8659

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	330.335	67.0550	3.9628	0.0000	150.2746
Strip Mall	10.24	2.0786	0.1228	0.0000	4.6583
Total		69.1337	4.0857	0.0000	154.9330

9.0 Operational Offroad

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