
APPENDIX A

AIR QUALITY MANAGEMENT PLAN CONSISTENCY DETERMINATION

row **MBUAPCD CONSISTENCY DETERMINATION PROCEDURE Ver. 4.0**

Data entry Data entered by user.

Consistency Finding NO YES

6	Jurisdiction:	San Juan Bautista			Lead Agency selects from pull down
7	Project Name:	Housing Element			Lead Agency enters
8	Base Year for this determination:	2015	Project Buildout/ Occupancy Year	2023	Lead Agency enters
9			Proposed Project Occupied DU	131	Total buildout of Project. Sum of all years, row 26.

JURISDICTION DATA FROM AQMP & DOF (no data entry)

	Base Year	Period ending January 1st of:					Notes	
		2015	2020	2025	2030	2035		2040
14	DOF Population	1,930	From Calif. Dept of Finance. Est. for Jan 1 -- released in June of each year.					
15	AMBAG DU Forecast for Jurisdiction	750	817	846	870	894	914	DUs from AMBAG Travel Model, current version.
16	AMBAG Pop Forecast for Jurisdiction	1,846	2,020	2,092	2,148	2,201	2,251	Latest AMBAG Pop. & Employment forecasts.
17	AMBAG Forecast Population/ DU	2.46	2.47	2.47	2.47	2.46	2.46	Row 16/ row 15
18	Estimated Built DUs	750	Entry for 2015 is the DOF 1/2015 Housing Unit Estimate. Lead agency may overwrite if they have better data.					

JURISDICTION DUs w/o PROJECT

	2015	2020	2025	2030	2035		
21	Housing Stock (Built DUs, Total)	940	35	63	63	63	2010 Housing Stock is baseline across the project life
22	Approved but not Built DUs		28				Lead Agency estimates value at period end.
23	Total Built & Approved DUs	940	63	63	63	63	Sum of Row 21 + 22

PROPOSED NEW PROJECT DUs

	2015	2020	2025	2030	2035		
26	Proposed New Project DUs			131			Data entry by Lead Agency.
27	TOTAL, New Project + Built & Approved DUs	940	63	194	63	63	Sum of Row 23 + 26

NEW PROJECT CONSISTENCY DETERMINATION

29	Over (Under) AQMP DUs	123	(783)	(676)	(831)	(851)	Row 27 - Row 15
30	Is the project consistent in this Period?	NO	YES	YES	YES	YES	If Row 30 is (negative) = YES, if positive = NO.

OPTIONS IF INCONSISTENT (Choose one):

Year:	2020	2025	2030	2035	2040	
38	A. Consult CEQA Statute and Guidelines for appropriate mitigation options					
	123					
	B. Lead Agency preparation of consistency determination via an alternative method					
	123					
40	C. Regional offset of significant cumulative air quality impact; For EIRs, declare Statement of Overriding Consideration					

APPENDIX B

CALEEMOD RESULTS

SJB HE_Site A_Existing - Monterey Bay Unified APCD Air District, Summer

SJB HE_Site A_Existing
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	28.75	1000sqft	0.88	28,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2022	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.66	0.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	80.1807	8.5776	7.9087	0.0136	0.8349	0.4498	1.2429	0.4356	0.4139	0.8248	0.0000	1,329.6825	1,329.6825	0.3672	0.0000	1,338.8619
Maximum	80.1807	8.5776	7.9087	0.0136	0.8349	0.4498	1.2429	0.4356	0.4139	0.8248	0.0000	1,329.6825	1,329.6825	0.3672	0.0000	1,338.8619

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	80.1807	8.5776	7.9087	0.0136	0.8349	0.4498	1.2429	0.4356	0.4139	0.8248	0.0000	1,329.6825	1,329.6825	0.3672	0.0000	1,338.8619
Maximum	80.1807	8.5776	7.9087	0.0136	0.8349	0.4498	1.2429	0.4356	0.4139	0.8248	0.0000	1,329.6825	1,329.6825	0.3672	0.0000	1,338.8619

	ROG	NOx	CO	SO2	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	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Energy	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

Mobile	2.4213	10.7451	20.7574	0.0599	4.1819	0.0578	4.2397	1.1201	0.0543	1.1743		6,065.1584	6,065.1584	0.3505		6,073.9220
Total	3.1484	10.7634	20.7757	0.0600	4.1819	0.0592	4.2411	1.1201	0.0557	1.1757		6,087.1268	6,087.1268	0.3510	4.0000e-004	6,096.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Energy	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Mobile	2.4213	10.7451	20.7574	0.0599	4.1819	0.0578	4.2397	1.1201	0.0543	1.1743		6,065.1584	6,065.1584	0.3505		6,073.9220
Total	3.1484	10.7634	20.7757	0.0600	4.1819	0.0592	4.2411	1.1201	0.0557	1.1757		6,087.1268	6,087.1268	0.3510	4.0000e-004	6,096.0213

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4213	10.7451	20.7574	0.0599	4.1819	0.0578	4.2397	1.1201	0.0543	1.1743		6,065.1584	6,065.1584	0.3505		6,073.9220
Unmitigated	2.4213	10.7451	20.7574	0.0599	4.1819	0.0578	4.2397	1.1201	0.0543	1.1743		6,065.1584	6,065.1584	0.3505		6,073.9220

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Strip Mall	1,274.20	1,208.65	587.36	1,796,781	1,796,781
Total	1,274.20	1,208.65	587.36	1,796,781	1,796,781

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

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	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
NaturalGas Unmitigated	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

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					
Strip Mall	186.678	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Total		2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

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						
Strip Mall	0.186678	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003			21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Total		2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003			21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Unmitigated	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.1095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	0.6153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Total	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Total	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003

SJB HE_Site A_Existing - Monterey Bay Unified APCD Air District, Winter

SJB HE_Site A_Existing
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	28.75	1000sqft	0.88	28,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.66	0.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	80.1815	8.5880	7.9057	0.0135	0.8349	0.4499	1.2429	0.4356	0.4140	0.8248	0.0000	1,320.3981	1,320.3981	0.3679	0.0000	1,329.5955
Maximum	80.1815	8.5880	7.9057	0.0135	0.8349	0.4499	1.2429	0.4356	0.4140	0.8248	0.0000	1,320.3981	1,320.3981	0.3679	0.0000	1,329.5955

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	80.1815	8.5880	7.9057	0.0135	0.8349	0.4499	1.2429	0.4356	0.4140	0.8248	0.0000	1,320.3981	1,320.3981	0.3679	0.0000	1,329.5955
Maximum	80.1815	8.5880	7.9057	0.0135	0.8349	0.4499	1.2429	0.4356	0.4140	0.8248	0.0000	1,320.3981	1,320.3981	0.3679	0.0000	1,329.5955

	ROG	NOx	CO	SO2	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	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Energy	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Mobile	2.2290	11.1507	22.8965	0.0567	4.1819	0.0593	4.2412	1.1201	0.0556	1.1757		5,739.1410	5,739.1410	0.3726		5,748.4549

Total	2.9560	11.1690	22.9148	0.0568	4.1819	0.0607	4.2426	1.1201	0.0570	1.1771		5,761.1095	5,761.1095	0.3730	4.0000e-004	5,770.5542
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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	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Energy	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Mobile	2.2290	11.1507	22.8965	0.0567	4.1819	0.0593	4.2412	1.1201	0.0556	1.1757		5,739.1410	5,739.1410	0.3726		5,748.4549
Total	2.9560	11.1690	22.9148	0.0568	4.1819	0.0607	4.2426	1.1201	0.0570	1.1771		5,761.1095	5,761.1095	0.3730	4.0000e-004	5,770.5542

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2290	11.1507	22.8965	0.0567	4.1819	0.0593	4.2412	1.1201	0.0556	1.1757		5,739.1410	5,739.1410	0.3726		5,748.4549
Unmitigated	2.2290	11.1507	22.8965	0.0567	4.1819	0.0593	4.2412	1.1201	0.0556	1.1757		5,739.1410	5,739.1410	0.3726		5,748.4549

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	1,274.20	1,208.65	587.36	1,796,781	1,796,781
Total	1,274.20	1,208.65	587.36	1,796,781	1,796,781

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

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	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003			21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
NaturalGas Unmitigated	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003			21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

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					
Strip Mall	186.678	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926
Total		2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003		21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926

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	lb/day										lb/day				
Strip Mall	0.186678	2.0100e-003	0.0183	0.0154	1.1000e-004	1.3900e-003	1.3900e-003	1.3900e-003	1.3900e-003	1.3900e-003	21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926	
Total		2.0100e-003	0.0183	0.0154	1.1000e-004	1.3900e-003	1.3900e-003	1.3900e-003	1.3900e-003	1.3900e-003	21.9621	21.9621	4.2000e-004	4.0000e-004	22.0926	

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Unmitigated	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6153					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003
Total	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005		6.7100e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1095					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.6153					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005	6.7100e-003
Total	0.7251	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.2900e-003	6.2900e-003	2.0000e-005	6.7100e-003

SJB HE_Site A_Existing - Monterey Bay Unified APCD Air District, Annual

SJB HE_Site A_Existing
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	28.75	1000sqft	0.88	28,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.66	0.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2493	0.4978	0.4580	8.0000e-004	7.1400e-003	0.0262	0.0334	2.1100e-003	0.0242	0.0263	0.0000	70.4970	70.4970	0.0187	0.0000	70.9651
Maximum	0.2493	0.4978	0.4580	8.0000e-004	7.1400e-003	0.0262	0.0334	2.1100e-003	0.0242	0.0263	0.0000	70.4970	70.4970	0.0187	0.0000	70.9651

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2493	0.4978	0.4580	8.0000e-004	7.1400e-003	0.0262	0.0334	2.1100e-003	0.0242	0.0263	0.0000	70.4969	70.4969	0.0187	0.0000	70.9650
Maximum	0.2493	0.4978	0.4580	8.0000e-004	7.1400e-003	0.0262	0.0334	2.1100e-003	0.0242	0.0263	0.0000	70.4969	70.4969	0.0187	0.0000	70.9650

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	9-30-2021	0.2647	0.2647
		Highest	0.2647	0.2647

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

Energy	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	44.0638	44.0638	4.1100e-003	9.0000e-004	44.4357
Mobile	0.3712	1.8359	3.5385	9.5500e-003	0.6754	9.7300e-003	0.6851	0.1814	9.1300e-003	0.1905	0.0000	877.5559	877.5559	0.0540	0.0000	878.9048
Waste						0.0000	0.0000		0.0000	0.0000	6.1283	0.0000	6.1283	0.3622	0.0000	15.1826
Water						0.0000	0.0000		0.0000	0.0000	0.6756	2.1167	2.7923	0.0696	1.6800e-003	5.0338
Total	0.5038	1.8392	3.5417	9.5700e-003	0.6754	9.9800e-003	0.6853	0.1814	9.3800e-003	0.1907	6.8039	923.7371	930.5410	0.4898	2.5800e-003	943.5576

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Energy	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	44.0638	44.0638	4.1100e-003	9.0000e-004	44.4357
Mobile	0.3712	1.8359	3.5385	9.5500e-003	0.6754	9.7300e-003	0.6851	0.1814	9.1300e-003	0.1905	0.0000	877.5559	877.5559	0.0540	0.0000	878.9048
Waste						0.0000	0.0000		0.0000	0.0000	6.1283	0.0000	6.1283	0.3622	0.0000	15.1826
Water						0.0000	0.0000		0.0000	0.0000	0.6756	2.1167	2.7923	0.0696	1.6800e-003	5.0338
Total	0.5038	1.8392	3.5417	9.5700e-003	0.6754	9.9800e-003	0.6853	0.1814	9.3800e-003	0.1907	6.8039	923.7371	930.5410	0.4898	2.5800e-003	943.5576

	ROG	NOx	CO	SO2	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

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	0.3712	1.8359	3.5385	9.5500e-003	0.6754	9.7300e-003	0.6851	0.1814	9.1300e-003	0.1905	0.0000	877.5559	877.5559	0.0540	0.0000	878.9048
Unmitigated	0.3712	1.8359	3.5385	9.5500e-003	0.6754	9.7300e-003	0.6851	0.1814	9.1300e-003	0.1905	0.0000	877.5559	877.5559	0.0540	0.0000	878.9048

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	1,274.20	1,208.65	587.36	1,796,781	1,796,781
Total	1,274.20	1,208.65	587.36	1,796,781	1,796,781

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	40.4277	40.4277	4.0400e-003	8.4000e-004	40.7781
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	40.4277	40.4277	4.0400e-003	8.4000e-004	40.7781
NaturalGas Mitigated	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577
NaturalGas Unmitigated	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577

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					
Strip Mall	68137.5	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577
Total		3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577

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					
Strip Mall	68137.5	3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577
Total		3.7000e-004	3.3400e-003	2.8100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6361	3.6361	7.0000e-005	7.0000e-005	3.6577

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	307338	40.4277	4.0400e-003	8.4000e-004	40.7781
Total		40.4277	4.0400e-003	8.4000e-004	40.7781

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	307338	40.4277	4.0400e-003	8.4000e-004	40.7781
Total		40.4277	4.0400e-003	8.4000e-004	40.7781

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Unmitigated	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1123					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Total	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1123					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004
Total	0.1323	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.1000e-004	7.1000e-004	0.0000	0.0000	7.6000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7923	0.0696	1.6800e-003	5.0338
Unmitigated	2.7923	0.0696	1.6800e-003	5.0338

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	2.12958 / 1.30523	2.7923	0.0696	1.6800e-003	5.0338
Total		2.7923	0.0696	1.6800e-003	5.0338

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	2.12958 / 1.30523	2.7923	0.0696	1.6800e-003	5.0338
Total		2.7923	0.0696	1.6800e-003	5.0338

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e

	MT/yr			
Mitigated	6.1283	0.3622	0.0000	15.1826
Unmitigated	6.1283	0.3622	0.0000	15.1826

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	30.19	6.1283	0.3622	0.0000	15.1826
Total		6.1283	0.3622	0.0000	15.1826

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	30.19	6.1283	0.3622	0.0000	15.1826
Total		6.1283	0.3622	0.0000	15.1826

SJB_HE_Site A_Proposed - Monterey Bay Unified APCD Air District, Summer

SJB_HE_Site A_Proposed
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	21.00	Dwelling Unit	0.88	21,000.00	56

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2022	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage and population from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.31	0.88
tblLandUse	Population	60.00	56.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	52.7919	8.2574	7.9087	0.0132	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,289.0467	1,289.0467	0.3646	0.0000	1,298.1613
Maximum	52.7919	8.2574	7.9087	0.0132	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,289.0467	1,289.0467	0.3646	0.0000	1,298.1613

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	52.7919	8.2574	7.9087	0.0132	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,289.0467	1,289.0467	0.3646	0.0000	1,298.1613
Maximum	52.7919	8.2574	7.9087	0.0132	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,289.0467	1,289.0467	0.3646	0.0000	1,298.1613

	ROG	NOx	CO	SO2	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	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Energy	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

Mobile	0.3527	1.6960	3.9361	0.0123	0.9231	0.0117	0.9348	0.2473	0.0110	0.2582		1,244.9988	1,244.9988	0.0616		1,246.5379
Total	0.9329	1.7700	5.6935	0.0127	0.9231	0.0256	0.9488	0.2473	0.0249	0.2722	0.0000	1,317.1518	1,317.1518	0.0659	1.2700e-003	1,319.1763

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Energy	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Mobile	0.3527	1.6960	3.9361	0.0123	0.9231	0.0117	0.9348	0.2473	0.0110	0.2582		1,244.9988	1,244.9988	0.0616		1,246.5379
Total	0.9329	1.7700	5.6935	0.0127	0.9231	0.0256	0.9488	0.2473	0.0249	0.2722	0.0000	1,317.1518	1,317.1518	0.0659	1.2700e-003	1,319.1763

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3527	1.6960	3.9361	0.0123	0.9231	0.0117	0.9348	0.2473	0.0110	0.2582		1,244.9988	1,244.9988	0.0616		1,246.5379
Unmitigated	0.3527	1.6960	3.9361	0.0123	0.9231	0.0117	0.9348	0.2473	0.0110	0.2582		1,244.9988	1,244.9988	0.0616		1,246.5379

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Apartments Low Rise	138.39	150.36	127.47	399,118	399,118
Total	138.39	150.36	127.47	399,118	399,118

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

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	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
NaturalGas Unmitigated	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

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					
Apartments Low Rise	586.783	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Total		6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

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					
Apartments Low Rise	0.586783	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Total		6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Unmitigated	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0524	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003		3.1196	3.1196	3.0100e-003		3.1948
Total	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0524	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003		3.1196	3.1196	3.0100e-003		3.1948
Total	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

SJB_HE_Site A_Proposed - Monterey Bay Unified APCD Air District, Winter

SJB_HE_Site A_Proposed
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	21.00	Dwelling Unit	0.88	21,000.00	56

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2022	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020
 Land Use - site acreage and population from project description
 Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.31	0.88
tblLandUse	Population	60.00	56.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	52.7931	8.2705	7.9057	0.0131	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,279.5936	1,279.5936	0.3647	0.0000	1,288.7115
Maximum	52.7931	8.2705	7.9057	0.0131	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,279.5936	1,279.5936	0.3647	0.0000	1,288.7115

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	52.7931	8.2705	7.9057	0.0131	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,279.5936	1,279.5936	0.3647	0.0000	1,288.7115
Maximum	52.7931	8.2705	7.9057	0.0131	0.8349	0.4492	1.2429	0.4356	0.4133	0.8248	0.0000	1,279.5936	1,279.5936	0.3647	0.0000	1,288.7115

	ROG	NOx	CO	SO2	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	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Energy	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

Mobile	0.3297	1.7933	4.0933	0.0117	0.9231	0.0119	0.9350	0.2473	0.0111	0.2584		1,182.8663	1,182.8663	0.0634		1,184.4511
Total	0.9098	1.8674	5.8507	0.0121	0.9231	0.0258	0.9490	0.2473	0.0251	0.2723	0.0000	1,255.0192	1,255.0192	0.0677	1.2700e-003	1,257.0895

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Energy	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Mobile	0.3297	1.7933	4.0933	0.0117	0.9231	0.0119	0.9350	0.2473	0.0111	0.2584		1,182.8663	1,182.8663	0.0634		1,184.4511
Total	0.9098	1.8674	5.8507	0.0121	0.9231	0.0258	0.9490	0.2473	0.0251	0.2723	0.0000	1,255.0192	1,255.0192	0.0677	1.2700e-003	1,257.0895

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3297	1.7933	4.0933	0.0117	0.9231	0.0119	0.9350	0.2473	0.0111	0.2584		1,182.8663	1,182.8663	0.0634		1,184.4511
Unmitigated	0.3297	1.7933	4.0933	0.0117	0.9231	0.0119	0.9350	0.2473	0.0111	0.2584		1,182.8663	1,182.8663	0.0634		1,184.4511

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Apartments Low Rise	138.39	150.36	127.47	399,118	399,118
Total	138.39	150.36	127.47	399,118	399,118

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

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
NaturalGas Mitigated	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
NaturalGas Unmitigated	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Apartments Low Rise	586.783	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Total		6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

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					
Apartments Low Rise	0.586783	6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435
Total		6.3300e-003	0.0541	0.0230	3.5000e-004		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003		69.0333	69.0333	1.3200e-003	1.2700e-003	69.4435

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948
Unmitigated	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0524	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003		3.1196	3.1196	3.0100e-003		3.1948
Total	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0524	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003		3.1196	3.1196	3.0100e-003		3.1948
Total	0.5738	0.0200	1.7344	9.0000e-005		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	3.1196	3.1196	3.0100e-003	0.0000	3.1948

SJB_HE_Site A_Proposed - Monterey Bay Unified APCD Air District, Annual

SJB_HE_Site A_Proposed
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	21.00	Dwelling Unit	0.88	21,000.00	56

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2022	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020
 Land Use - site acreage and population from project description
 Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.31	0.88
tblLandUse	Population	60.00	56.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1814	0.4818	0.4636	7.8000e-004	8.5600e-003	0.0262	0.0347	2.4600e-003	0.0242	0.0267	0.0000	68.5990	68.5990	0.0186	0.0000	69.0639
Maximum	0.1814	0.4818	0.4636	7.8000e-004	8.5600e-003	0.0262	0.0347	2.4600e-003	0.0242	0.0267	0.0000	68.5990	68.5990	0.0186	0.0000	69.0639

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1814	0.4818	0.4636	7.8000e-004	8.5600e-003	0.0262	0.0347	2.4600e-003	0.0242	0.0267	0.0000	68.5990	68.5990	0.0186	0.0000	69.0638
Maximum	0.1814	0.4818	0.4636	7.8000e-004	8.5600e-003	0.0262	0.0347	2.4600e-003	0.0242	0.0267	0.0000	68.5990	68.5990	0.0186	0.0000	69.0638

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	9-30-2021	0.2577	0.2577
		Highest	0.2577	0.2577

2.2 Overall Operational

Unmitigated Operational

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

Category	tons/yr										MT/yr					
	Area	0.1017	2.5000e-003	0.2168	1.0000e-005		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	0.3538	0.3538	3.4000e-004	0.0000
Energy	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	23.4423	23.4423	1.4200e-003	4.6000e-004	23.6143
Mobile	0.0551	0.2948	0.6497	1.9700e-003	0.1500	1.9700e-003	0.1520	0.0403	1.8500e-003	0.0421	0.0000	181.2979	181.2979	9.3600e-003	0.0000	181.5319
Waste						0.0000	0.0000		0.0000	0.0000	1.9609	0.0000	1.9609	0.1159	0.0000	4.8580
Water						0.0000	0.0000		0.0000	0.0000	0.4341	1.3710	1.8051	0.0447	1.0800e-003	3.2453
Total	0.1580	0.3072	0.8707	2.0400e-003	0.1500	3.9700e-003	0.1540	0.0403	3.8500e-003	0.0441	2.3950	206.4649	208.8599	0.1717	1.5400e-003	213.6118

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
	Area	0.1017	2.5000e-003	0.2168	1.0000e-005		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	0.3538	0.3538	3.4000e-004	0.0000
Energy	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	23.4423	23.4423	1.4200e-003	4.6000e-004	23.6143
Mobile	0.0551	0.2948	0.6497	1.9700e-003	0.1500	1.9700e-003	0.1520	0.0403	1.8500e-003	0.0421	0.0000	181.2979	181.2979	9.3600e-003	0.0000	181.5319
Waste						0.0000	0.0000		0.0000	0.0000	1.9609	0.0000	1.9609	0.1159	0.0000	4.8580
Water						0.0000	0.0000		0.0000	0.0000	0.4341	1.3710	1.8051	0.0447	1.0800e-003	3.2453
Total	0.1580	0.3072	0.8707	2.0400e-003	0.1500	3.9700e-003	0.1540	0.0403	3.8500e-003	0.0441	2.3950	206.4649	208.8599	0.1717	1.5400e-003	213.6118

	ROG	NOx	CO	SO2	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

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	0.0551	0.2948	0.6497	1.9700e-003	0.1500	1.9700e-003	0.1520	0.0403	1.8500e-003	0.0421	0.0000	181.2979	181.2979	9.3600e-003	0.0000	181.5319
Unmitigated	0.0551	0.2948	0.6497	1.9700e-003	0.1500	1.9700e-003	0.1520	0.0403	1.8500e-003	0.0421	0.0000	181.2979	181.2979	9.3600e-003	0.0000	181.5319

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	138.39	150.36	127.47	399,118	399,118
Total	138.39	150.36	127.47	399,118	399,118

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543525	0.028472	0.201539	0.126188	0.021864	0.005301	0.018669	0.039782	0.003072	0.002565	0.007028	0.001098	0.000897

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.0130	12.0130	1.2000e-003	2.5000e-004	12.1171
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.0130	12.0130	1.2000e-003	2.5000e-004	12.1171

NaturalGas Mitigated	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972
NaturalGas Unmitigated	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972

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					
Apartments Low Rise	214176	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972
Total		1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972

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					
Apartments Low Rise	214176	1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972
Total		1.1500e-003	9.8700e-003	4.2000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4292	11.4292	2.2000e-004	2.1000e-004	11.4972

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	91324.8	12.0130	1.2000e-003	2.5000e-004	12.1171
Total		12.0130	1.2000e-003	2.5000e-004	12.1171

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Consumer Products	0.0820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5500e-003	2.5000e-003	0.2168	1.0000e-005		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	0.3538	0.3538	3.4000e-004	0.0000	0.3623
Total	0.1017	2.5000e-003	0.2168	1.0000e-005		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	0.3538	0.3538	3.4000e-004	0.0000	0.3623

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.8051	0.0447	1.0800e-003	3.2453
Unmitigated	1.8051	0.0447	1.0800e-003	3.2453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.36823 / 0.862583	1.8051	0.0447	1.0800e-003	3.2453
Total		1.8051	0.0447	1.0800e-003	3.2453

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.36823 / 0.862583	1.8051	0.0447	1.0800e-003	3.2453
Total		1.8051	0.0447	1.0800e-003	3.2453

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9609	0.1159	0.0000	4.8580
Unmitigated	1.9609	0.1159	0.0000	4.8580

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	9.66	1.9609	0.1159	0.0000	4.8580
Total		1.9609	0.1159	0.0000	4.8580

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	9.66	1.9609	0.1159	0.0000	4.8580
Total		1.9609	0.1159	0.0000	4.8580

SJB_HE_Site B_Existing - Monterey Bay Unified APCD Air District, Summer

SJB_HE_Site B_Existing
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	75.14	1000sqft	2.30	75,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage from PD

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	75,140.00	75,141.00
tblLandUse	LotAcreage	1.72	2.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1852	20.2445	15.6871	0.0305	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,852.5070	2,852.5070	0.7700	0.0000	2,864.4066
2022	104.7076	15.9536	15.3772	0.0304	0.2784	0.7073	0.9857	0.0757	0.6779	0.7536	0.0000	2,842.5395	2,842.5395	0.5461	0.0000	2,854.1902
Maximum	104.7076	20.2445	15.6871	0.0305	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,852.5070	2,852.5070	0.7700	0.0000	2,864.4066

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1852	20.2445	15.6871	0.0305	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,852.5070	2,852.5070	0.7700	0.0000	2,864.4066
2022	104.7076	15.9536	15.3772	0.0304	0.2784	0.7073	0.9857	0.0757	0.6779	0.7536	0.0000	2,842.5395	2,842.5395	0.5461	0.0000	2,854.1902
Maximum	104.7076	20.2445	15.6871	0.0305	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,852.5070	2,852.5070	0.7700	0.0000	2,864.4066

	ROG	NOx	CO	SO2	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	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175

Energy	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Mobile	5.7867	24.4209	49.6002	0.1522	10.9285	0.1235	11.0521	2.9268	0.1154	3.0422		15,437.6045	15,437.6045	0.7941		15,457.4567
Total	7.6869	24.4688	49.6481	0.1525	10.9285	0.1272	11.0557	2.9268	0.1191	3.0458		15,495.0211	15,495.0211	0.7952	1.0500e-003	15,515.2156

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	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
Energy	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Mobile	5.7867	24.4209	49.6002	0.1522	10.9285	0.1235	11.0521	2.9268	0.1154	3.0422		15,437.6045	15,437.6045	0.7941		15,457.4567
Total	7.6869	24.4688	49.6481	0.1525	10.9285	0.1272	11.0557	2.9268	0.1191	3.0458		15,495.0211	15,495.0211	0.7952	1.0500e-003	15,515.2156

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7867	24.4209	49.6002	0.1522	10.9285	0.1235	11.0521	2.9268	0.1154	3.0422		15,437.6045	15,437.6045	0.7941		15,457.4567
Unmitigated	5.7867	24.4209	49.6002	0.1522	10.9285	0.1235	11.0521	2.9268	0.1154	3.0422		15,437.6045	15,437.6045	0.7941		15,457.4567

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	3,330.20	3,158.89	1535.11	4,696,005	4,696,005
Total	3,330.20	3,158.89	1,535.11	4,696,005	4,696,005

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
NaturalGas Unmitigated	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

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					
Strip Mall	487.902	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

Total		5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
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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						
Strip Mall	0.487902	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003			57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Total		5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003			57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005			0.0175
Unmitigated	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005			0.0175

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	1.6080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	7.1000e-004	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005			0.0175
Total	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005			0.0175

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
Total	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175

SJB_HE_Site B_Existing - Monterey Bay Unified APCD Air District, Winter

SJB_HE_Site B_Existing
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	75.14	1000sqft	2.30	75,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage from PD

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	75,140.00	75,141.00
tblLandUse	LotAcreage	1.72	2.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1972	20.2524	15.7324	0.0303	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,829.0162	2,829.0162	0.7699	0.0000	2,840.9582
2022	104.7093	15.9761	15.4166	0.0302	0.2784	0.7074	0.9859	0.0757	0.6781	0.7538	0.0000	2,819.4812	2,819.4812	0.5459	0.0000	2,831.1745
Maximum	104.7093	20.2524	15.7324	0.0303	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,829.0162	2,829.0162	0.7699	0.0000	2,840.9582

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.1972	20.2524	15.7324	0.0303	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,829.0162	2,829.0162	0.7699	0.0000	2,840.9582
2022	104.7093	15.9761	15.4166	0.0302	0.2784	0.7074	0.9859	0.0757	0.6781	0.7538	0.0000	2,819.4812	2,819.4812	0.5459	0.0000	2,831.1745
Maximum	104.7093	20.2524	15.7324	0.0303	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,829.0162	2,829.0162	0.7699	0.0000	2,840.9582

	ROG	NOx	CO	SO2	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	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
Energy	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Mobile	5.2814	25.3734	54.4357	0.1441	10.9285	0.1246	11.0532	2.9268	0.1164	3.0432		14,605.5755	14,605.5755	0.8399		14,626.5720
Total	7.1817	25.4213	54.4835	0.1444	10.9285	0.1283	11.0568	2.9268	0.1201	3.0469		14,662.9921	14,662.9921	0.8410	1.0500e-003	14,684.3309

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	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
Energy	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Mobile	5.2814	25.3734	54.4357	0.1441	10.9285	0.1246	11.0532	2.9268	0.1164	3.0432		14,605.5755	14,605.5755	0.8399		14,626.5720
Total	7.1817	25.4213	54.4835	0.1444	10.9285	0.1283	11.0568	2.9268	0.1201	3.0469		14,662.9921	14,662.9921	0.8410	1.0500e-003	14,684.3309

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2814	25.3734	54.4357	0.1441	10.9285	0.1246	11.0532	2.9268	0.1164	3.0432		14,605.5755	14,605.5755	0.8399		14,626.5720
Unmitigated	5.2814	25.3734	54.4357	0.1441	10.9285	0.1246	11.0532	2.9268	0.1164	3.0432		14,605.5755	14,605.5755	0.8399		14,626.5720

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	3,330.20	3,158.89	1535.11	4,696,005	4,696,005
Total	3,330.20	3,158.89	1,535.11	4,696,005	4,696,005

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
NaturalGas Unmitigated	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

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					
Strip Mall	487.902	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

Total		5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003		57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
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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						
Strip Mall	0.487902	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003			57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413
Total		5.2600e-003	0.0478	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003			57.4002	57.4002	1.1000e-003	1.0500e-003	57.7413

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
Unmitigated	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175

Total	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0164	0.0164	4.0000e-005		0.0175
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0164	0.0164	4.0000e-005	0.0175
Total	1.8950	7.0000e-005	7.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0164	0.0164	4.0000e-005	0.0175

SJB_HE_Site B_Existing - Monterey Bay Unified APCD Air District, Annual

SJB_HE_Site B_Existing
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	75.14	1000sqft	2.30	75,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - site acreage from PD

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	75,140.00	75,141.00
tblLandUse	LotAcreage	1.72	2.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1333	1.1248	0.9482	1.8100e-003	0.0364	0.0537	0.0901	0.0143	0.0511	0.0653	0.0000	154.4780	154.4780	0.0290	0.0000	155.2026
2022	0.6516	1.0444	1.0230	1.9900e-003	0.0175	0.0467	0.0643	4.7800e-003	0.0447	0.0495	0.0000	168.7248	168.7248	0.0288	0.0000	169.4451
Maximum	0.6516	1.1248	1.0230	1.9900e-003	0.0364	0.0537	0.0901	0.0143	0.0511	0.0653	0.0000	168.7248	168.7248	0.0290	0.0000	169.4451

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1333	1.1247	0.9482	1.8100e-003	0.0364	0.0537	0.0901	0.0143	0.0511	0.0653	0.0000	154.4778	154.4778	0.0290	0.0000	155.2025
2022	0.6516	1.0444	1.0230	1.9900e-003	0.0175	0.0467	0.0643	4.7800e-003	0.0447	0.0495	0.0000	168.7247	168.7247	0.0288	0.0000	169.4449
Maximum	0.6516	1.1247	1.0230	1.9900e-003	0.0364	0.0537	0.0901	0.0143	0.0511	0.0653	0.0000	168.7247	168.7247	0.0290	0.0000	169.4449

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	10-11-2021	0.6729	0.6729
2	10-12-2021	1-11-2022	0.6400	0.6400
3	1-12-2022	4-11-2022	0.5776	0.5776
4	4-12-2022	7-11-2022	0.6712	0.6712
5	7-12-2022	9-30-2022	0.3790	0.3790
		Highest	0.6729	0.6729

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	0.8825	4.1733	8.4314	0.0243	1.7649	0.0206	1.7855	0.4739	0.0193	0.4932	0.0000	2,234.0543	2,234.0543	0.1219	0.0000	2,237.1029
Unmitigated	0.8825	4.1733	8.4314	0.0243	1.7649	0.0206	1.7855	0.4739	0.0193	0.4932	0.0000	2,234.0543	2,234.0543	0.1219	0.0000	2,237.1029

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	3,330.20	3,158.89	1,535.11	4,696,005	4,696,005
Total	3,330.20	3,158.89	1,535.11	4,696,005	4,696,005

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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	105.6619	105.6619	0.0106	2.1900e-003	106.5775
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	105.6619	105.6619	0.0106	2.1900e-003	106.5775
NaturalGas Mitigated	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597
NaturalGas Unmitigated	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597

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					
Strip Mall	178084	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597
Total		9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597

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					
Strip Mall	178084	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597
Total		9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.5033	9.5033	1.8000e-004	1.7000e-004	9.5597

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	803257	105.6619	0.0106	2.1900e-003	106.5775

Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8600e-003	1.8600e-003	0.0000	0.0000	1.9900e-003
Total	0.3458	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8600e-003	1.8600e-003	0.0000	0.0000	1.9900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2935					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8600e-003	1.8600e-003	0.0000	0.0000	1.9900e-003	
Total	0.3458	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8600e-003	1.8600e-003	0.0000	0.0000	1.9900e-003	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.2979	0.1819	4.4000e-003	13.1560
Unmitigated	7.2979	0.1819	4.4000e-003	13.1560

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	5.56581 / 3.4113	7.2979	0.1819	4.4000e-003	13.1560

Total		7.2979	0.1819	4.4000e-003	13.1560
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Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	5.56581 / 3.4113	7.2979	0.1819	4.4000e-003	13.1560
Total		7.2979	0.1819	4.4000e-003	13.1560

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.0160	0.9465	0.0000	39.6789
Unmitigated	16.0160	0.9465	0.0000	39.6789

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	78.9	16.0160	0.9465	0.0000	39.6789
Total		16.0160	0.9465	0.0000	39.6789

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	78.9	16.0160	0.9465	0.0000	39.6789
Total		16.0160	0.9465	0.0000	39.6789

SJB_HE_Site B_Proposed - Monterey Bay Unified APCD Air District, Summer

SJB_HE_Site B_Proposed
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year	2023		
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - acreage and population from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2283	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563
2022	69.0643	15.3565	15.7341	0.0300	0.3692	0.7065	1.0757	0.0989	0.6772	0.7760	0.0000	2,791.5974	2,791.5974	0.5461	0.0000	2,803.1431
Maximum	69.0643	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2283	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563
2022	69.0643	15.3565	15.7341	0.0300	0.3692	0.7065	1.0757	0.0989	0.6772	0.7760	0.0000	2,791.5974	2,791.5974	0.5461	0.0000	2,803.1431
Maximum	69.0643	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563

	ROG	NOx	CO	SO2	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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Total	2.3619	3.9810	14.0515	0.0324	2.4175	0.0618	2.4793	0.6474	0.0602	0.7076	0.0000	3,357.9206	3,357.9206	0.1539	3.3100e-003	3,362.7567

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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Total	2.3619	3.9810	14.0515	0.0324	2.4175	0.0618	2.4793	0.6474	0.0602	0.7076	0.0000	3,357.9206	3,357.9206	0.1539	3.3100e-003	3,362.7567

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Unmitigated	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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
NaturalGas Mitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
NaturalGas Unmitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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					

Apartments Low Rise	1536.81	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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					
Apartments Low Rise	1.53681	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Unmitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668

Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

SJB_HE_Site B_Proposed - Monterey Bay Unified APCD Air District, Winter

SJB_HE_Site B_Proposed
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - acreage and population from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2449	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259
2022	69.0671	15.3877	15.7432	0.0297	0.3692	0.7066	1.0758	0.0989	0.6772	0.7761	0.0000	2,766.4662	2,766.4662	0.5459	0.0000	2,778.0241
Maximum	69.0671	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2449	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259
2022	69.0671	15.3877	15.7432	0.0297	0.3692	0.7066	1.0758	0.0989	0.6772	0.7761	0.0000	2,766.4662	2,766.4662	0.5459	0.0000	2,778.0241
Maximum	69.0671	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259

	ROG	NOx	CO	SO2	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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Total	2.3015	4.2044	14.3912	0.0309	2.4175	0.0620	2.4794	0.6474	0.0603	0.7077	0.0000	3,199.9331	3,199.9331	0.1576	3.3100e-003	3,204.8594

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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Total	2.3015	4.2044	14.3912	0.0309	2.4175	0.0620	2.4794	0.6474	0.0603	0.7077	0.0000	3,199.9331	3,199.9331	0.1576	3.3100e-003	3,204.8594

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Unmitigated	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	
NaturalGas Mitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115			180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
NaturalGas Unmitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115			180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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					

Apartments Low Rise	1536.81	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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					
Apartments Low Rise	153681	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Unmitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	1.1770						0.0000	0.0000		0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004			0.0251	0.0251		0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004			0.0251	0.0251		0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

SJB_HE_Site B_Proposed - Monterey Bay Unified APCD Air District, Annual

SJB_HE_Site B_Proposed
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 2020

Land Use - acreage and population from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1354	1.0946	0.9650	1.7900e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	152.1736	152.1736	0.0288	0.0000	152.8933
2022	0.4759	1.0075	1.0433	1.9600e-003	0.0231	0.0467	0.0698	6.2000e-003	0.0447	0.0509	0.0000	165.6928	165.6928	0.0285	0.0000	166.4062
Maximum	0.4759	1.0946	1.0433	1.9600e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	165.6928	165.6928	0.0288	0.0000	166.4062

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1354	1.0946	0.9650	1.7900e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	152.1735	152.1735	0.0288	0.0000	152.8931
2022	0.4759	1.0075	1.0433	1.9600e-003	0.0231	0.0467	0.0698	6.2000e-003	0.0447	0.0509	0.0000	165.6926	165.6926	0.0285	0.0000	166.4061
Maximum	0.4759	1.0946	1.0433	1.9600e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	165.6926	165.6926	0.0288	0.0000	166.4061

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	10-11-2021	0.6619	0.6619
2	10-12-2021	1-11-2022	0.6213	0.6213
3	1-12-2022	4-11-2022	0.5600	0.5600
4	4-12-2022	7-11-2022	0.6057	0.6057
5	7-12-2022	9-30-2022	0.2518	0.2518

		Highest	0.6619	0.6619
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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Energy	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	61.3964	61.3964	3.7200e-003	1.2000e-003	61.8469
Mobile	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Waste						0.0000	0.0000		0.0000	0.0000	5.1357	0.0000	5.1357	0.3035	0.0000	12.7234
Water						0.0000	0.0000		0.0000	0.0000	1.1369	3.5907	4.7276	0.1171	2.8300e-003	8.4995
Total	0.4006	0.6909	2.1351	5.2100e-003	0.3929	9.4700e-003	0.4023	0.1055	9.1900e-003	0.1147	6.2725	527.4927	533.7653	0.4469	4.0300e-003	546.1388

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Energy	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	61.3964	61.3964	3.7200e-003	1.2000e-003	61.8469
Mobile	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Waste						0.0000	0.0000		0.0000	0.0000	5.1357	0.0000	5.1357	0.3035	0.0000	12.7234
Water						0.0000	0.0000		0.0000	0.0000	1.1369	3.5907	4.7276	0.1171	2.8300e-003	8.4995
Total	0.4006	0.6909	2.1351	5.2100e-003	0.3929	9.4700e-003	0.4023	0.1055	9.1900e-003	0.1147	6.2725	527.4927	533.7653	0.4469	4.0300e-003	546.1388

	ROG	NOx	CO	SO2	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	0.00	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
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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	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Unmitigated	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Electricity Mitigated					0.0000	0.0000			0.0000	0.0000	0.0000	31.4627	31.4627	3.1500e-003	6.5000e-004	31.7353
Electricity Unmitigated					0.0000	0.0000			0.0000	0.0000	0.0000	31.4627	31.4627	3.1500e-003	6.5000e-004	31.7353
NaturalGas Mitigated	3.0200e-003	0.0259	0.0110	1.6000e-004	2.0900e-003	2.0900e-003			2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
NaturalGas Unmitigated	3.0200e-003	0.0259	0.0110	1.6000e-004	2.0900e-003	2.0900e-003			2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

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					
Apartments Low Rise	560937	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
Total		3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

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					
Apartments Low Rise	560937	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
Total		3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	239184	31.4627	3.1500e-003	6.5000e-004	31.7353

Total		31.4627	3.1500e-003	6.5000e-004	31.7353
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	239184	31.4627	3.1500e-003	6.5000e-004	31.7353
Total		31.4627	3.1500e-003	6.5000e-004	31.7353

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Unmitigated	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0171	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488

Total	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.0344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0171	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488	
Total	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7276	0.1171	2.8300e-003	8.4995
Unmitigated	4.7276	0.1171	2.8300e-003	8.4995

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.58347 / 2.25915	4.7276	0.1171	2.8300e-003	8.4995
Total		4.7276	0.1171	2.8300e-003	8.4995

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.58347 / 2.25915	4.7276	0.1171	2.8300e-003	8.4995
Total		4.7276	0.1171	2.8300e-003	8.4995

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.1357	0.3035	0.0000	12.7234
Unmitigated	5.1357	0.3035	0.0000	12.7234

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	25.3	5.1357	0.3035	0.0000	12.7234
Total		5.1357	0.3035	0.0000	12.7234

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	25.3	5.1357	0.3035	0.0000	12.7234
Total		5.1357	0.3035	0.0000	12.7234

SJB_HE_Site C_Existing - Monterey Bay Unified APCD Air District, Summer

SJB_HE_Site C_Existing
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	16.00	Dwelling Unit	2.30	28,800.00	43

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year	2023		
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 202

Land Use - from project description

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	5.19	2.30
tblLandUse	Population	46.00	43.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0765	20.2445	14.9340	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,439.7213	2,439.7213	0.7700	0.0000	2,458.9709
2022	36.2501	14.8345	14.5860	0.0261	0.1232	0.7032	0.7660	0.0327	0.6740	0.6910	0.0000	2,397.6115	2,397.6115	0.5461	0.0000	2,408.7689
Maximum	36.2501	20.2445	14.9340	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,439.7213	2,439.7213	0.7700	0.0000	2,458.9709

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0765	20.2445	14.9340	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,439.7213	2,439.7213	0.7700	0.0000	2,458.9709
2022	36.2501	14.8345	14.5860	0.0261	0.1232	0.7032	0.7660	0.0327	0.6740	0.6910	0.0000	2,397.6115	2,397.6115	0.5461	0.0000	2,408.7689
Maximum	36.2501	20.2445	14.9340	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,439.7213	2,439.7213	0.7700	0.0000	2,458.9709

	ROG	NOx	CO	SO2	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	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Mobile	0.3394	1.5248	3.8060	0.0126	0.9734	0.0102	0.9836	0.2607	9.5100e-003	0.2702		1,275.9485	1,275.9485	0.0574		1,277.3840
Total	13.3279	1.9982	21.9773	0.0471	0.9734	2.4292	3.4026	0.2607	2.4285	2.6892	264.9311	1,614.5708	1,879.5019	0.4862	0.0216	1,898.0976

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	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304
Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Mobile	0.3394	1.5248	3.8060	0.0126	0.9734	0.0102	0.9836	0.2607	9.5100e-003	0.2702		1,275.9485	1,275.9485	0.0574		1,277.3840
Total	13.3279	1.9982	21.9773	0.0471	0.9734	2.4292	3.4026	0.2607	2.4285	2.6892	264.9311	1,614.5708	1,879.5019	0.4862	0.0216	1,898.0976

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3394	1.5248	3.8060	0.0126	0.9734	0.0102	0.9836	0.2607	9.5100e-003	0.2702		1,275.9485	1,275.9485	0.0574		1,277.3840
Unmitigated	0.3394	1.5248	3.8060	0.0126	0.9734	0.0102	0.9836	0.2607	9.5100e-003	0.2702		1,275.9485	1,275.9485	0.0574		1,277.3840

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	152.32	158.56	137.92	435,459	435,459
Total	152.32	158.56	137.92	435,459	435,459

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
Single Family Housing	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
NaturalGas Unmitigated	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

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						
Single Family Housing	1274.09	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

Total		0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
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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						
Single Family Housing	1.27409	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Total		0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304
Unmitigated	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2198	0.3407	16.8010	0.0337		2.4022	2.4022		2.4022	2.4022	264.9311	186.3529	451.2841	0.4236	0.0189	467.4964
Landscaping	0.0398	0.0152	1.3203	7.0000e-005		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003		2.3768	2.3768	2.2900e-003		2.4340
Total	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2198	0.3407	16.8010	0.0337		2.4022	2.4022		2.4022	2.4022	264.9311	186.3529	451.2841	0.4236	0.0189	467.4964
Landscaping	0.0398	0.0152	1.3203	7.0000e-005		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003		2.3768	2.3768	2.2900e-003		2.4340
Total	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

SJB_HE_Site C_Existing - Monterey Bay Unified APCD Air District, Winter

SJB_HE_Site C_Existing
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	16.00	Dwelling Unit	2.30	28,800.00	43

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 202

Land Use - from project description

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	5.19	2.30
tblLandUse	Population	46.00	43.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0793	20.2524	14.9301	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,435.6936	2,435.6936	0.7699	0.0000	2,454.9406
2022	36.2504	14.8397	14.5918	0.0260	0.1232	0.7032	0.7660	0.0327	0.6741	0.6910	0.0000	2,392.7969	2,392.7969	0.5459	0.0000	2,403.9608
Maximum	36.2504	20.2524	14.9301	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,435.6936	2,435.6936	0.7699	0.0000	2,454.9406

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0793	20.2524	14.9301	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,435.6936	2,435.6936	0.7699	0.0000	2,454.9406
2022	36.2504	14.8397	14.5918	0.0260	0.1232	0.7032	0.7660	0.0327	0.6741	0.6910	0.0000	2,392.7969	2,392.7969	0.5459	0.0000	2,403.9608
Maximum	36.2504	20.2524	14.9301	0.0261	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,435.6936	2,435.6936	0.7699	0.0000	2,454.9406

	ROG	NOx	CO	SO2	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	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Mobile	0.3151	1.6148	3.9428	0.0120	0.9734	0.0102	0.9836	0.2607	9.5600e-003	0.2702		1,212.3362	1,212.3362	0.0589		1,213.8081
Total	13.3035	2.0882	22.1141	0.0465	0.9734	2.4293	3.4026	0.2607	2.4286	2.6893	264.9311	1,550.9585	1,815.8896	0.4877	0.0216	1,834.5216

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	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304
Energy	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003		149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Mobile	0.3151	1.6148	3.9428	0.0120	0.9734	0.0102	0.9836	0.2607	9.5600e-003	0.2702		1,212.3362	1,212.3362	0.0589		1,213.8081
Total	13.3035	2.0882	22.1141	0.0465	0.9734	2.4293	3.4026	0.2607	2.4286	2.6893	264.9311	1,550.9585	1,815.8896	0.4877	0.0216	1,834.5216

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3151	1.6148	3.9428	0.0120	0.9734	0.0102	0.9836	0.2607	9.5600e-003	0.2702		1,212.3362	1,212.3362	0.0589		1,213.8081
Unmitigated	0.3151	1.6148	3.9428	0.0120	0.9734	0.0102	0.9836	0.2607	9.5600e-003	0.2702		1,212.3362	1,212.3362	0.0589		1,213.8081

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	152.32	158.56	137.92	435,459	435,459
Total	152.32	158.56	137.92	435,459	435,459

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
Single Family Housing	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
NaturalGas Unmitigated	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

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						
Single Family Housing	1274.09	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Total		0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

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						
Single Family Housing	1.27409	0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832
Total		0.0137	0.1174	0.0500	7.5000e-004		9.4900e-003	9.4900e-003		9.4900e-003	9.4900e-003			149.8925	149.8925	2.8700e-003	2.7500e-003	150.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304
Unmitigated	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2198	0.3407	16.8010	0.0337		2.4022	2.4022		2.4022	2.4022	264.9311	186.3529	451.2841	0.4236	0.0189	467.4964
Landscaping	0.0398	0.0152	1.3203	7.0000e-005		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003		2.3768	2.3768	2.2900e-003		2.4340
Total	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2198	0.3407	16.8010	0.0337		2.4022	2.4022		2.4022	2.4022	264.9311	186.3529	451.2841	0.4236	0.0189	467.4964
Landscaping	0.0398	0.0152	1.3203	7.0000e-005		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003		2.3768	2.3768	2.2900e-003		2.4340
Total	12.9747	0.3560	18.1213	0.0338		2.4095	2.4095		2.4095	2.4095	264.9311	188.7298	453.6609	0.4259	0.0189	469.9304

SJB_HE_Site C_Existing - Monterey Bay Unified APCD Air District, Annual

SJB_HE_Site C_Existing
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	16.00	Dwelling Unit	2.30	28,800.00	43

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 Intensity Factor for 202

Land Use - from project description

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	5.19	2.30
tblLandUse	Population	46.00	43.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1281	1.0669	0.9069	1.6000e-003	0.0263	0.0535	0.0798	0.0115	0.0509	0.0624	0.0000	135.2947	135.2947	0.0281	0.0000	135.9963
2022	0.3031	0.9740	0.9739	1.7200e-003	4.4100e-003	0.0465	0.0509	1.1900e-003	0.0445	0.0457	0.0000	144.2419	144.2419	0.0277	0.0000	144.9335
Maximum	0.3031	1.0669	0.9739	1.7200e-003	0.0263	0.0535	0.0798	0.0115	0.0509	0.0624	0.0000	144.2419	144.2419	0.0281	0.0000	144.9335

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1281	1.0669	0.9069	1.6000e-003	0.0263	0.0535	0.0798	0.0115	0.0509	0.0624	0.0000	135.2946	135.2946	0.0281	0.0000	135.9961
2022	0.3031	0.9740	0.9739	1.7200e-003	4.4100e-003	0.0465	0.0509	1.1900e-003	0.0445	0.0457	0.0000	144.2417	144.2417	0.0277	0.0000	144.9334
Maximum	0.3031	1.0669	0.9739	1.7200e-003	0.0263	0.0535	0.0798	0.0115	0.0509	0.0624	0.0000	144.2417	144.2417	0.0281	0.0000	144.9334

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	10-11-2021	0.6483	0.6483
2	10-12-2021	1-11-2022	0.5968	0.5968
3	1-12-2022	4-11-2022	0.5376	0.5376
4	4-12-2022	7-11-2022	0.5415	0.5415
5	7-12-2022	9-30-2022	0.1345	0.1345
		Highest	0.6483	0.6483

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	0.0547	0.2743	0.6486	2.0900e-003	0.1637	1.7700e-003	0.1654	0.0440	1.6500e-003	0.0456	0.0000	192.2862	192.2862	9.0200e-003	0.0000	192.5115
Unmitigated	0.0547	0.2743	0.6486	2.0900e-003	0.1637	1.7700e-003	0.1654	0.0440	1.6500e-003	0.0456	0.0000	192.2862	192.2862	9.0200e-003	0.0000	192.5115

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	152.32	158.56	137.92	435,459	435,459
Total	152.32	158.56	137.92	435,459	435,459

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
Single Family Housing	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Electricity Mitigated					0.0000	0.0000			0.0000	0.0000	0.0000	17.0280	17.0280	1.7000e-003	3.5000e-004	17.1755
Electricity Unmitigated					0.0000	0.0000			0.0000	0.0000	0.0000	17.0280	17.0280	1.7000e-003	3.5000e-004	17.1755
NaturalGas Mitigated	2.5100e-003	0.0214	9.1200e-003	1.4000e-004	1.7300e-003	1.7300e-003			1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639
NaturalGas Unmitigated	2.5100e-003	0.0214	9.1200e-003	1.4000e-004	1.7300e-003	1.7300e-003			1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639

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					
Single Family Housing	465041	2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639
Total		2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639

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					
Single Family Housing	465041	2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639
Total		2.5100e-003	0.0214	9.1200e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.8164	24.8164	4.8000e-004	4.5000e-004	24.9639

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	129449	17.0280	1.7000e-003	3.5000e-004	17.1755

Total		17.0280	1.7000e-003	3.5000e-004	17.1755
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	129449	17.0280	1.7000e-003	3.5000e-004	17.1755
Total		17.0280	1.7000e-003	3.5000e-004	17.1755

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6365	0.0159	0.8539	1.3900e-003		0.0994	0.0994		0.0994	0.0994	9.8540	7.2009	17.0549	0.0160	7.0000e-004	17.6643
Unmitigated	0.6365	0.0159	0.8539	1.3900e-003		0.0994	0.0994		0.0994	0.0994	9.8540	7.2009	17.0549	0.0160	7.0000e-004	17.6643

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5010	0.0140	0.6888	1.3800e-003		0.0985	0.0985		0.0985	0.0985	9.8540	6.9313	16.7853	0.0158	7.0000e-004	17.3883
Landscaping	4.9700e-003	1.9000e-003	0.1650	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	0.2695	0.2695	2.6000e-004	0.0000	0.2760

Total	0.6365	0.0159	0.8539	1.3900e-003		0.0994	0.0994		0.0994	0.0994	9.8540	7.2009	17.0549	0.0160	7.0000e-004	17.6643
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5010	0.0140	0.6888	1.3800e-003		0.0985	0.0985		0.0985	0.0985	9.8540	6.9313	16.7853	0.0158	7.0000e-004	17.3883
Landscaping	4.9700e-003	1.9000e-003	0.1650	1.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	0.2695	0.2695	2.6000e-004	0.0000	0.2760
Total	0.6365	0.0159	0.8539	1.3900e-003		0.0994	0.0994		0.0994	0.0994	9.8540	7.2009	17.0549	0.0160	7.0000e-004	17.6643

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.3753	0.0341	8.2000e-004	2.4726
Unmitigated	1.3753	0.0341	8.2000e-004	2.4726

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1.04246 / 0.657206	1.3753	0.0341	8.2000e-004	2.4726

Total		1.3753	0.0341	8.2000e-004	2.4726
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Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1.04246 / 0.657206	1.3753	0.0341	8.2000e-004	2.4726
Total		1.3753	0.0341	8.2000e-004	2.4726

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.8406	0.2270	0.0000	9.5149
Unmitigated	3.8406	0.2270	0.0000	9.5149

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	18.92	3.8406	0.2270	0.0000	9.5149
Total		3.8406	0.2270	0.0000	9.5149

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	18.92	3.8406	0.2270	0.0000	9.5149
Total		3.8406	0.2270	0.0000	9.5149

SJB_HE_Site C_Proposed - Monterey Bay Unified APCD Air District, Summer

SJB_HE_Site C_Proposed
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 intensity factor for 2020

Land Use - from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2283	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563
2022	69.0643	15.3565	15.7341	0.0300	0.3692	0.7065	1.0757	0.0989	0.6772	0.7760	0.0000	2,791.5974	2,791.5974	0.5461	0.0000	2,803.1431
Maximum	69.0643	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2283	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563
2022	69.0643	15.3565	15.7341	0.0300	0.3692	0.7065	1.0757	0.0989	0.6772	0.7760	0.0000	2,791.5974	2,791.5974	0.5461	0.0000	2,803.1431
Maximum	69.0643	20.2445	16.0759	0.0301	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,804.6545	2,804.6545	0.7700	0.0000	2,816.4563

	ROG	NOx	CO	SO2	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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Total	2.3619	3.9810	14.0515	0.0324	2.4175	0.0618	2.4793	0.6474	0.0602	0.7076	0.0000	3,357.9206	3,357.9206	0.1539	3.3100e-003	3,362.7567

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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Total	2.3619	3.9810	14.0515	0.0324	2.4175	0.0618	2.4793	0.6474	0.0602	0.7076	0.0000	3,357.9206	3,357.9206	0.1539	3.3100e-003	3,362.7567

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140
Unmitigated	0.8430	3.7870	9.4526	0.0313	2.4175	0.0253	2.4427	0.6474	0.0236	0.6710		3,168.9487	3,168.9487	0.1426		3,172.5140

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
NaturalGas Unmitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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					
Apartments Low Rise	1536.81	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

SJB_HE_Site C_Proposed - Monterey Bay Unified APCD Air District, Winter

SJB_HE_Site C_Proposed
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 intensity factor for 2020

Land Use - from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2449	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259
2022	69.0671	15.3877	15.7432	0.0297	0.3692	0.7066	1.0758	0.0989	0.6772	0.7761	0.0000	2,766.4662	2,766.4662	0.5459	0.0000	2,778.0241
Maximum	69.0671	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.2449	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259
2022	69.0671	15.3877	15.7432	0.0297	0.3692	0.7066	1.0758	0.0989	0.6772	0.7761	0.0000	2,766.4662	2,766.4662	0.5459	0.0000	2,778.0241
Maximum	69.0671	20.2524	16.0902	0.0299	6.6345	1.0418	7.5509	3.3893	0.9723	4.2324	0.0000	2,778.8124	2,778.8124	0.7699	0.0000	2,790.6259

	ROG	NOx	CO	SO2	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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Total	2.3015	4.2044	14.3912	0.0309	2.4175	0.0620	2.4794	0.6474	0.0603	0.7077	0.0000	3,199.9331	3,199.9331	0.1576	3.3100e-003	3,204.8594

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	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Mobile	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Total	2.3015	4.2044	14.3912	0.0309	2.4175	0.0620	2.4794	0.6474	0.0603	0.7077	0.0000	3,199.9331	3,199.9331	0.1576	3.3100e-003	3,204.8594

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167
Unmitigated	0.7826	4.0105	9.7924	0.0297	2.4175	0.0254	2.4429	0.6474	0.0237	0.6712		3,010.9612	3,010.9612	0.1462		3,014.6167

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

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	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115			180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
NaturalGas Unmitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115			180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

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						
Apartments Low Rise	1536.81	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115			180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
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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					
Apartments Low Rise	1.53681	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759
Total		0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8015	180.8015	3.4700e-003	3.3100e-003	181.8759

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
Unmitigated	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668

Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1367	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251		8.1704	8.1704	7.8600e-003		8.3668
Total	1.5023	0.0523	4.5386	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	8.1704	8.1704	7.8600e-003	0.0000	8.3668

SJB_HE_Site C_Proposed - Monterey Bay Unified APCD Air District, Annual

SJB_HE_Site C_Proposed
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	55.00	Dwelling Unit	2.30	55,000.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4	Operational Year		2023	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E CO2 intensity factor for 2020

Land Use - from project description

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.44	2.30
tblLandUse	Population	157.00	146.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1354	1.0946	0.9650	1.7900e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	152.1736	152.1736	0.0288	0.0000	152.8933
2022	0.4759	1.0075	1.0433	1.9600e-003	0.0231	0.0467	0.0698	6.2000e-003	0.0447	0.0509	0.0000	165.6928	165.6928	0.0285	0.0000	166.4062
Maximum	0.4759	1.0946	1.0433	1.9600e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	165.6928	165.6928	0.0288	0.0000	166.4062

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1354	1.0946	0.9650	1.7900e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	152.1735	152.1735	0.0288	0.0000	152.8931
2022	0.4759	1.0075	1.0433	1.9600e-003	0.0231	0.0467	0.0698	6.2000e-003	0.0447	0.0509	0.0000	165.6926	165.6926	0.0285	0.0000	166.4061
Maximum	0.4759	1.0946	1.0433	1.9600e-003	0.0406	0.0537	0.0943	0.0153	0.0510	0.0664	0.0000	165.6926	165.6926	0.0288	0.0000	166.4061

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-12-2021	10-11-2021	0.6619	0.6619
2	10-12-2021	1-11-2022	0.6213	0.6213
3	1-12-2022	4-11-2022	0.5600	0.5600
4	4-12-2022	7-11-2022	0.6057	0.6057

5	7-12-2022	9-30-2022	0.2518	0.2518
		Highest	0.6619	0.6619

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Energy	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	61.3964	61.3964	3.7200e-003	1.2000e-003	61.8469
Mobile	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Waste						0.0000	0.0000		0.0000	0.0000	5.1357	0.0000	5.1357	0.3035	0.0000	12.7234
Water						0.0000	0.0000		0.0000	0.0000	1.1369	3.5907	4.7276	0.1171	2.8300e-003	8.4995
Total	0.4006	0.6909	2.1351	5.2100e-003	0.3929	9.4700e-003	0.4023	0.1055	9.1900e-003	0.1147	6.2725	527.4927	533.7653	0.4469	4.0300e-003	546.1388

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Energy	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	61.3964	61.3964	3.7200e-003	1.2000e-003	61.8469
Mobile	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Waste						0.0000	0.0000		0.0000	0.0000	5.1357	0.0000	5.1357	0.3035	0.0000	12.7234
Water						0.0000	0.0000		0.0000	0.0000	1.1369	3.5907	4.7276	0.1171	2.8300e-003	8.4995
Total	0.4006	0.6909	2.1351	5.2100e-003	0.3929	9.4700e-003	0.4023	0.1055	9.1900e-003	0.1147	6.2725	527.4927	533.7653	0.4469	4.0300e-003	546.1388

	ROG	NOx	CO	SO2	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

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	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201
Unmitigated	0.1312	0.6586	1.5568	5.0200e-003	0.3929	4.2400e-003	0.3971	0.1055	3.9600e-003	0.1095	0.0000	461.5791	461.5791	0.0216	0.0000	462.1201

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	362.45	393.80	333.85	1,045,310	1,045,310
Total	362.45	393.80	333.85	1,045,310	1,045,310

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
Apartments Low Rise	10.80	7.30	7.50	44.00	18.80	37.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548027	0.027585	0.202302	0.122366	0.020382	0.005069	0.019066	0.040819	0.003078	0.002466	0.006906	0.001095	0.000838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.4627	31.4627	3.1500e-003	6.5000e-004	31.7353
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.4627	31.4627	3.1500e-003	6.5000e-004	31.7353
NaturalGas Mitigated	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
NaturalGas Unmitigated	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

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					
Apartments Low Rise	560937	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
Total		3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

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					
Apartments Low Rise	560937	3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116
Total		3.0200e-003	0.0259	0.0110	1.6000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9337	29.9337	5.7000e-004	5.5000e-004	30.1116

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Consumer Products	0.2148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0171	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488
Total	0.2663	6.5400e-003	0.5673	3.0000e-005		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000	0.9488

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0344						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2148						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0171	6.5400e-003	0.5673	3.0000e-005			3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000
Total	0.2663	6.5400e-003	0.5673	3.0000e-005			3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	0.9265	0.9265	8.9000e-004	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7276	0.1171	2.8300e-003	8.4995
Unmitigated	4.7276	0.1171	2.8300e-003	8.4995

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.58347 / 2.25915	4.7276	0.1171	2.8300e-003	8.4995
Total		4.7276	0.1171	2.8300e-003	8.4995

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.58347 / 2.25915	4.7276	0.1171	2.8300e-003	8.4995
Total		4.7276	0.1171	2.8300e-003	8.4995

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.1357	0.3035	0.0000	12.7234
Unmitigated	5.1357	0.3035	0.0000	12.7234

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Apartments Low Rise	25.3	5.1357	0.3035	0.0000	12.7234
Total		5.1357	0.3035	0.0000	12.7234

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	25.3	5.1357	0.3035	0.0000	12.7234
Total		5.1357	0.3035	0.0000	12.7234