

Initial Study PREA-2021-00089, PREA-2021-00099

Baker Travel Stop and Mobile Home Park

APN: 0544-471-11, 0544-472-03

April 2024

Appendix D: Energy Supporting Information

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Appendix D: Energy Supporting Information

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Baker Travel Stop Project Energy Consumption Summary

Summary of Energy Use During Construction

Construction equipment fuel	40,104 gallons (diesel)
Construction vehicle fuel	3,592 gallons (gasoline, diesel)
Total construction fuel	43,696 gallons (gasoline, diesel)
Construction office electricity	11,945 kilowatt hours

Summary of Energy Use During Operations

	(Annually)
Operation vehicle fuel	939,310 gallons (gasoline, diesel)
Operation electricity	850,880 kilowatt hours

Construction Equipment Fuel Calculation

Source: AQ/GHG Appendix, CalEEMod Output

CalEEMod output file: Baker Travel Stop Con + Op (No trucks)
 Time stamp: May 2023

Phase Name	Phase Type	Start Date	End Date	Week	Num Days
Site Preparation	Site Preparation	1/6/2025	1/17/2025	5	10
Grading	Grading	1/20/2025	2/28/2025	5	30
Building Construction	Building Construction	3/3/2025	9/26/2025	5	150
Paving	Paving	9/29/2025	12/5/2025	5	50
Coating	Architectural Coating	12/8/2025	12/19/2025	5	10

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	
Site Preparation	Rubber Tired Dozers	3	8	367	0.4	10	35,232.00	1,761.60	
Site Preparation	Tractors/Loaders/Backhoes	4	8	84	0.4	10	10,752.00	537.60	
Grading	Excavators	2	8	158	0.4	30	30,336.00	1,516.80	
Grading	Graders	1	8	148	0.4	30	14,208.00	710.40	
Grading	Rubber Tired Dozers	1	8	367	0.4	30	35,232.00	1,761.60	
Grading	Tractors/Loaders/Backhoes	2	8	84	0.4	30	16,128.00	806.40	
Grading	Scrapers	2	8	423	0.4	30	81,216.00	4,060.80	
Building Construction	Cranes	1	7	367	0.4	150	154,140.00	7,707.00	
Building Construction	Forklifts	3	8	82	0.4	150	118,080.00	5,904.00	
Building Construction	Generator Sets	1	8	84	0.4	150	40,320.00	2,016.00	
Building Construction	Tractors/Loaders/Backhoes	3	7	84	0.4	150	105,840.00	5,292.00	
Building Construction	Welders	1	8	46	0.4	150	22,080.00	1,104.00	
Paving	Pavers	2	8	130	0.4	50	41,600.00	2,080.00	
Paving	Paving Equipment	2	8	132	0.4	50	42,240.00	2,112.00	
Paving	Rollers	2	8	80	0.4	50	25,600.00	1,280.00	
Coating	Air Compressors	1	6	37	0.4	10	888.00	44.40	
Construction Equipment Fuel Consumption								38,694.60	gallons

Construction Equipment Fuel Calculation

Source: AQ/GHG Appendix, CalEEMod Output

CalEEMod output file: Baker Travel Stop Offsite/Frontage
 Time stamp: May 2023

Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days
Site Preparation	Site Preparation	1/6/2025	1/10/2025	5	5
Grading	Grading	1/13/2025	1/17/2025	5	5
Paving	Paving	1/20/2025	1/24/2025	5	5

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number	HP Hours	Diesel Fuel	
Site Preparation	Tractors/Loaders/Backhoes	1	7	84	0.37	5	1,087.80	54.39	
Site Preparation	Graders	1	8	148	0.41	5	2,427.20	121.36	
Site Preparation	Scrapers	1	8	423	0.48	5	8,121.60	406.08	
Grading	Graders	1	8	148	0.41	5	2,427.20	121.36	
Grading	Rubber Tired Dozers	1	8	367	0.4	5	5,872.00	293.60	
Grading	Tractors/Loaders/Backhoes	2	7	84	0.37	5	2,175.60	108.78	
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	5	1,243.20	62.16	
Paving	Pavers	1	6	130	0.42	5	1,638.00	81.90	
Paving	Paving Equipment	1	8	132	0.36	5	1,900.80	95.04	
Paving	Rollers	1	7	80	0.38	5	1,064.00	53.20	
Paving	Cement and Mortar Mixers	1	8	10	0.56	5	224.00	11.20	
Construction Equipment Fuel Consumption								1,409.07	gallons
Total of Main Site and Frontage								40,103.67	gallons

Notes:

Equipment assumptions are provided in the CalEEMod output files.

Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.

Website: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>.

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB). 2022. EMFAC2021 Web Database. Website: <https://arb.ca.gov/emfac/emissions-inventory/>

VMT = Vehicle Miles Traveled

FE = Fuel Economy

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: San Bernardino

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VehClass	MdYr	Speed	Fuel	Population	VMT (mi/day)	Fuel Consumption (1000 gallons/day)	FE (mi/gallon)	VMT*FE
HHDT	Aggregate	Aggregate	Gasoline	6.102009755	115073.578	29.040706	3.962492436	455978.1836
HHDT	Aggregate	Aggregate	Diesel	27984.28059	1409503115	227211.86	6.203474981	8743817310
LDA	Aggregate	Aggregate	Gasoline	764579.6112	1.1385E+10	377677.68	30.14520373	3.43208E+11
LDA	Aggregate	Aggregate	Diesel	1948.632535	22908322.9	538.42906	42.54659476	974671132.4
LDT1	Aggregate	Aggregate	Gasoline	70144.44426	836255667	33693.045	24.8198304	20755723834
LDT1	Aggregate	Aggregate	Diesel	23.9948137	113728.114	4.7722142	23.83130951	2710289.875
LDT2	Aggregate	Aggregate	Gasoline	337644.2202	4833537695	195773.87	24.68939081	1.19337E+11
LDT2	Aggregate	Aggregate	Diesel	1014.177039	15575280.1	466.36735	33.3970205	520167948.4
LHDT1	Aggregate	Aggregate	Gasoline	29713.01675	362476554	26449.539	13.70445659	4967544201
LHDT1	Aggregate	Aggregate	Diesel	22260.03392	273112703	13274.63	20.57403452	5619030186
LHDT2	Aggregate	Aggregate	Gasoline	4518.553278	52926846.5	4362.6713	12.13175193	642095372.4
LHDT2	Aggregate	Aggregate	Diesel	9589.889589	119678851	6962.7096	17.18854565	2057105396
MHDT	Aggregate	Aggregate	Gasoline	2309.446886	46004844.6	8784.9367	5.236787257	240917584
MHDT	Aggregate	Aggregate	Diesel	18129.38192	255904604	28352.957	9.02567612	2309712070
							Worker	
							Weighted Average FE	28.36147794
							Vendor	
							Weighted Average FE	9.75531123
							Haul	
							Weighted Average FE	6.20329204

Project Construction Assumptions

CalEEMod output file: Baker Travel Stop Construction Frontage Custom Report, 5/24/2023
 Baker Travel Stop Construction and Operation Custom Report, 6/6/2023

Phase Name	Phase Type	Start Date	End Date	Num Days	
				Week	Num Days
Frontage	Frontage	1/6/2025	1/24/2025	5	15
Site Preparation	Site Preparation	1/6/2025	1/17/2025	5	10
Grading	Grading	1/20/2025	2/28/2025	5	30
Building Construction	Building Construction	3/3/2025	9/26/2025	5	150
Paving	Paving	9/29/2025	12/5/2025	5	50
Architectural Coating	Architectural Coating	12/8/2025	12/19/2025	5	10

Phase Name	Worker	Trips per Day			Trip Length (miles)			Vehicle Class			Num Days
		Vendor	Hauling		Worker	Vendor	Hauling	Worker	Vendor	Hauling	
Frontage		30	4	1	19	10		20 LDA,LDT1,LDT2	HDT_Mix	HHDT	5 *Note:
Site Preparation		18	0	0	19	10		20 LDA,LDT1,LDT3	HDT_Mix	HHDT	10 averaged days
Grading		20	0	0	19	10		20 LDA,LDT1,LDT4	HDT_Mix	HHDT	30 per phase for
Building Construction		10	3	0	19	10		20 LDA,LDT1,LDT5	HDT_Mix	HHDT	150 Frontage
Paving		15	14	2	19	10		20 LDA,LDT1,LDT6	HDT_Mix	HHDT	50
Architectural Coating		2	0	0	19	10		20 LDA,LDT1,LDT7	HDT_Mix	HHDT	10

Phase Name	Worker	Trips per Phase			VMT per Phase			Fuel Consumption (gallons)		
		Vendor	Hauling		Worker	Vendor	Hauling	Worker	Vendor	Hauling
Frontage	150	20	5		2,775	200	100	98	21	16
Site Preparation	175	0	0		3,238	0	0	114	0	0
Grading	600	0	0		11,100	0	0	391	0	0
Building Construction	1,489	428	0		27,539	4,282	0	971	439	0
Paving	750	700	100		13,875	7,000	2,000	489	718	322
Architectural Coating	20	0	0		370	0	0	13	0	0

Total Construction VMT (miles)
72,479

Total Fuel Consumption (gallons)
3,592

Construction Office Electricity Calculation

Energy Appendix: CalEEMod Typical Construction Trailer
Baker Travel Stop Construction Trailer Custom Report, 5/26/2023

kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity

Annual	12,565 kWh/yr
Total Over Construction	11,945 kWh

Total Construction Schedule

Start	1/6/2025
End	12/19/2025
Total Calendar Days	347
Years	0.95

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2022. EMFAC2021 Web Database. Website: <https://arb.ca.gov/emfac/emissions-inventory/>

Source: EMFAC2021 (v1.0.2) Emissions Inventory

VMT = Vehicle Miles Traveled

Region Type: County

FE = Fuel Economy

Region: San Bernardino

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VehClass	MdYr	Speed	Fuel	Population	VMT	Fuel	Fule economy	
						Consumption	FE	VMT*FE
HHDT	Aggregate	Aggregate	Gasoline	4.528322181	336.665806	0.08073834	4.169838173	1403.841931
HHDT	Aggregate	Aggregate	Diesel	28687.06713	4602301.15	729.79567	6.306287281	29023433.19
LDA	Aggregate	Aggregate	Gasoline	761744.3047	32623757.1	1060.51385	30.76221684	1003579089
LDA	Aggregate	Aggregate	Diesel	1794.717219	60373.321	1.40301224	43.03121476	2597937.34
LDT1	Aggregate	Aggregate	Gasoline	68473.2208	2360625.34	93.3330283	25.29249701	59706109.33
LDT1	Aggregate	Aggregate	Diesel	19.6200204	263.45439	0.01100466	23.94026666	6307.168346
LDT2	Aggregate	Aggregate	Gasoline	345101.6238	14233876.4	562.48075	25.30553514	360195858.6
LDT2	Aggregate	Aggregate	Diesel	1070.852635	47046.2663	1.37998286	34.0919208	1603897.586
LHDT1	Aggregate	Aggregate	Gasoline	29279.16436	1099761.92	78.3817198	14.03084704	15430591.29
LHDT1	Aggregate	Aggregate	Diesel	22020.11291	823962.024	39.8998183	20.65077135	17015451.36
LHDT2	Aggregate	Aggregate	Gasoline	4424.679211	158331.293	12.8142766	12.355851	1956317.863
LHDT2	Aggregate	Aggregate	Diesel	9596.461277	363650.851	21.0332312	17.28934783	6287286.053
MCY	Aggregate	Aggregate	Gasoline	38779.40642	225571.711	5.39568869	41.80591647	9430232.103
MDV	Aggregate	Aggregate	Gasoline	250604.0696	9905791.11	486.464618	20.36281929	201709834.3
MDV	Aggregate	Aggregate	Diesel	3565.758281	140998.518	5.81134513	24.26263028	3420994.921
MH	Aggregate	Aggregate	Gasoline	5772.266979	50533.1549	10.4571639	4.832395795	244196.2052
MH	Aggregate	Aggregate	Diesel	2549.555631	22181.7218	2.14685321	10.33220236	229186.0384
MHDT	Aggregate	Aggregate	Gasoline	2262.89632	139169.205	26.2654468	5.298566049	737397.2224
MHDT	Aggregate	Aggregate	Diesel	18552.93945	829396.681	91.4143129	9.072941145	7525067.273
OBUS	Aggregate	Aggregate	Gasoline	599.8363559	29267.2599	5.65628708	5.174288272	151437.2397
OBUS	Aggregate	Aggregate	Diesel	298.398659	20310.1075	2.7044383	7.509917144	152527.2247
SBUS	Aggregate	Aggregate	Gasoline	403.5895527	20722.7308	2.2750192	9.108815756	188759.5366
SBUS	Aggregate	Aggregate	Diesel	986.8523525	21798.9489	2.88935513	7.544572374	164463.7476
UBUS	Aggregate	Aggregate	Gasoline	110.3375571	10561.3083	1.80383328	5.854924868	61835.66661
UBUS	Aggregate	Aggregate	Diesel	6.89531305	685.489207	0.07362745	9.31023974	6382.068853
							HHD Trucks	
							Weighted Average FE	6.31 miles/gallon
							All other vehicles	
							Weighted Average FE	26.78 miles/gallon

Total VMT

Source: AQ/GHG Appendix, CalEEMod Output

Baker Travel Stop Construction Frontage Custom Report, 5/24/2023

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	5,543	5,543	5,543	2,023,195	27,715	27,715	27,715	10,115,975
Fast Food Restaurant with Drive Thru	1,217	1,602	1,229	464,834	6,084	8,010	6,144	2,324,169
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile Home Park	57.0	56.4	49.1	20,352	1,144	1,133	987	408,916
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	1,588	1,588	1,588	579,620	7,940	7,940	7,940	2,898,100

	Annual VMT (miles)	Fuel Consumption
HHD Trucks	2,898,100	459,569
All other vehicles	12,849,060	479,741
Total VMT	4,067,448	939,310 gallons per year

Operation Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output

Baker Travel Stop Construction and Operation Custom Report, 6/6/2023

Project Electricity Use

Land Use	Electricity Use (kWh/year)
Convenience Market with Gas Pumps	309,858
Fast Food Restaurant with Drive Thru	91,173
Parking Lot	405,789
City Park	0
Mobile Home Park	44,060
Other Non-Asphalt Surfaces	0
Truck Stop (User Defined Commercial)	0
Total	850,880

kWh/yr = kilowatt-hours per year

Baker Travel Stop Construction Trailer Custom Report

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5.11.1. Unmitigated

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Baker Travel Stop Construction Trailer
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.00
Precipitation (days)	8.20
Location	35.276508, -116.055809
County	San Bernardino-Mojave Desert
City	Unincorporated
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5139
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.13

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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General Office Building	0.72	1000sqft	0.02	720	0.00	0.00	—	calculate energy usage for the construction trailer only
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2. Emissions Summary

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.01	0.02	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.13	0.13	< 0.005	< 0.005	—	0.13
Energy	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	—	24.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.25	1.07	1.32	0.03	< 0.005	—	2.13
Waste	—	—	—	—	—	—	—	—	—	—	—	0.36	0.00	0.36	0.04	0.00	—	1.26
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	0.01	0.02	0.01	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.61	25.8	26.5	0.06	< 0.005	< 0.005	28.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	—	24.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.25	1.07	1.32	0.03	< 0.005	—	2.13
Waste	—	—	—	—	—	—	—	—	—	—	—	0.36	0.00	0.36	0.04	0.00	—	1.26
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.61	25.7	26.3	0.06	< 0.005	< 0.005	28.1

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.06	0.06	< 0.005	< 0.005	—	0.06
Energy	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	—	24.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.25	1.07	1.32	0.03	< 0.005	—	2.13
Waste	—	—	—	—	—	—	—	—	—	—	—	0.36	0.00	0.36	0.04	0.00	—	1.26
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	< 0.005	0.02	0.01	0.02	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.61	25.8	26.4	0.06	< 0.005	< 0.005	28.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	—	0.01
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.08	4.08	< 0.005	< 0.005	—	4.09
Water	—	—	—	—	—	—	—	—	—	—	—	0.04	0.18	0.22	< 0.005	< 0.005	—	0.35
Waste	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.10	4.27	4.37	0.01	< 0.005	< 0.005	4.67

4. Operations Emissions Details

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Total	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Total	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	3.03	3.03	< 0.005	< 0.005	—	3.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	3.03	3.03	< 0.005	< 0.005	—	3.04

5. Activity Data

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	12,565	532	0.0330	0.0040	19,757

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