Appendix A

Air Quality and Greenhouse Gas Emissions Modeling Results

Cubberley Community Center Master Plan - AQGHG ISMND
Construction Assumptions

Project Location	**County**	**Title:**	Cubberley Community Center Master Plan
	Santa Clara	**Date:**	11/20/2025
Climate Zone	1		
Urbanization	Urban		
Operational Year (Buildout)	2032, 2033, & 2035		
Construction Year	2030, 2032, & 2034		
Utility Company	City of Palo Alto		

Land Use	Subtype	Unit	Size	Acre	Building Sq Ft	Spaces
Phase I						
Recreational	Health Club	1000 sf	54.0		54000	
Recreational	High Turnover (Sit Down Restaurant)	1000 sf	5.0		5000	
Recreational	Movie Theather (No Matinee)	1000 sf	86.0		86000	
Commercial	General Office Buildings	1000 sf	70.3		70250	
Education	Day-Care Center	1000 sf	16.0		16000	
Parking	Enclosed Parking Structure	1000 sf	96		96000	164
Parking	Parking Lot	spaces	153			153
Phase II						
Recreational	Movie Theather (No Matinee)	1000 sf	39.0		39000	
Parking	Enclosed Parking Structure with Elevator	1000 sf	57		57000	
Phase III						
Recreational	Health Club	1000 sf	32.0		32000	
Recreational	High Turnover (Sit Down Restaurant)	1000 sf	5.0		5000	
Commercial	General Office Buildings	1000 sf	26.0		26000	
Parking	Enclosed Parking Structure with Elevator	1000 sf	58		58000	
Existing						
Recreational	Movie Theather (No Matinee)	1000 sf	184		184000	

Project Schedule:

Phase I -2030 to 2032 (29 months)

Phase	Start Date	End Date	Days/Week	Default	Estimated
Demo	1/1/2030	2/26/2030	6	20	49
Site prep					
grading	2/27/2030	4/24/2030	6	20	49
New Building Construction	4/25/2030	6/11/2031	6	230	355.2
Renovation Building Construction	6/12/2031	2/5/2032	6		206
Paving	2/6/2032	4/2/2032	6	20	49
AC	4/3/2032	5/31/2032	6	20	49
Total Days				310	756

Phase II - 2032 (18 months)

Phase	Start Date	End Date	Days/Week	Default	Estimated
Demo	6/1/2032	7/10/2032	6	20	35
Site prep					
grading	7/11/2032	7/23/2032	6	6	11
Building Construction	7/24/2032	10/19/2033	6	220	388
Paving	10/20/2033	11/9/2033	6	10	18
AC	11/11/2033	11/30/2033	6	10	18
Total Days				266	470

Phase III - 2033 (18 months)

Phase	Start Date	End Date	Days/Week	Default	Estimated
Demo	12/1/2033	1/10/2034	6	20	35
Site prep	1/11/2034	1/16/2034			
grading	1/11/2034	1/23/2034	6	6	11
Building Construction	1/24/2034	4/20/2035	6	220	388
Paving	4/21/2035	5/11/2035	6	10	18
AC	5/12/2035	6/1/2035	6	10	18
Total Days				266	470

Cubberley Community Center Master Plan - AQGHG ISMND
Construction Assumptions

Construction Equipment List Uses CalEEMod Defaults

Dust from Material Movement balanced cubic yards of Import
****Water site to minimize dust based on BAAQMD basic construction pratices

Construction Demo square feet
Phase I 101,750
Phase III 22,000
Phase III 25,250

Phase I
Construction Trips & VMT

		sf	**inches sq**	**Cube inches**	**Cubic feet**	**Cubic Yard**
Remove existing tennis court		48,000	6912000	27648000		
Volume					16,000	
Cubic yards of tennis court asphalt						592.5925926
Demo Hauling Trips per day	1.517877909					
Demo haul trips from existing structures (one-way per day)		25.31				
Total Demo Haul Trips (one-way per day)		**26.82**				

Phase III
Construction Trips & VMT

		sf	**inches sq**	**Cube inches**	**Cubic feet**	**Cubic Yard**
Remove existing Phase I parking		19,000	2736000	10944000		
Volume					6,333	
Cubic yards of Phase 1 Parking						234.5679012
Demo Hauling Trips per day	0.830605188					
Demo haul trips from existing structures (one-way per day)		8.31				
Total Demo Haul Trips (one-way per day)		**9.14**				

Onroad Fugitive Dust Uses CalEEmod Defaults

Architectural Coatings Uses CalEEMod Defaults
Consistent with SCAMQD Rule 1113

Cubberley Community Center Master Plan - AQGHG ISMND
Operational Assumptions

Mobile Sources	**Daily Trips**	**Trip Generation Rate**
Phase I	4,832.11	68.78446169
Phase II	1,281.99	32.87148594
Phase III	2,070.90	79.65013902
Total	**8,185.00**	

Existing	5303	28.82065217	

		Daily		AM Peak Hour						PM Peak Hour					
					Split		Trips				Split		Trips		
Land Use	Size	Rate	Trips	Rate	In	Out	In	Out	Total	Rate	In	Out	In	Out	Total
Proposed Land Uses															
#495 - Recreational Community Center	**284,000** Square Feet	28.82	8,185	2.02	66%	34%	379	195	574	2.89	48%	52%	394	427	821
Existing Land Uses															
#495 - Recreational Community Center	**184,000** Square Feet	28.82	5,303	2.02	66%	34%	246	126	372	2.89	48%	52%	255	277	532
Net Project Trips			2,882				133	69	202				139	150	289

Source: ITE Trip Generation Manual (12th Edition, 2025)

Vehicle Emissions: Uses CalEEMod Defaults

Vehicle Fleet Mix: Uses CalEEMod Defaults

Road Dust: Uses CalEEMod Defaults

Area Sources

Hearths: Uses CalEEMod Defaults

Consumer Products: Uses CalEEMod Defaults

Architectural Coating:

Landscape Equipment: Uses CalEEMod Defaults

Energy Use All electric facilities

Phase I	Default kWh	Default NG	New kWh	New NG
Health Club	589,147.91	2,364,611.74	1,282,175.97	0
Restaurant	226,894.02	674,604.62	424,609.32	0
Movie theater	938,272.60	3,765,863.14	2,041,983.95	0
General office building	1,487,096.48	1,668,457.87	1,976,093.51	0
Day-Care Center	70,998.88	656,973.90	263,546.92	0

Phase II	Default kWh	Default NG	New kWh	New NG
Movie Theather	425,495.71	1,707,775.14	926,015.97	0

Phase III	Default kWh	Default NG	New kWh	New NG
Health Club	349,124.69	1,401,251.40	759,807.98	0
Restaurant	226,894.02	674,604.62	424,609.32	0
General Office Building	550,384.46	617,507.54	731,365.57	0

Existing	NG to Kwh	Old kWH	New kWh
	2361428.942	2,007,466.95	4,368,895.89

Water/Wastewater

Water: Uses CalEEMod Defaults

Wastewater: Uses CalEEMod Defaults

Solid Waste

Uses CalEEMod Defaults

Off-Road Equiment

Stationary Sources N/A

Vegetation N/A

Cubberley Community Center Master Plan - Existing Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cubberley Community Center Master Plan - Existing
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	32.8000
Location	37.4179371393174, -122.10873671438098
County	Santa Clara
City	Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1727
EDFZ	1
Electric Utility	City of Palo Alto
Gas Utility	City of Palo Alto Ultilities
App Version	2022.1.1.37

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
Movie Theater (No Matinee)	184.000	1000sqft	4.22406	184,000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.0674	23.4287	14.0413	168.296	0.39775	0.25963	37.5447	37.8043	0.23988	9.51769	9.75757	706.839	40,474.9	41,181.8	72.5248	1.85027	146.105	43,692.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.9297	21.3332	16.3806	147.194	0.37318	0.24555	37.5447	37.7902	0.22928	9.51769	9.74696	706.839	38,005.3	38,712.1	72.7058	1.99963	4.90442	41,130.5
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.4032	21.7885	15.4459	147.775	0.37673	0.25248	36.7525	37.0049	0.23449	9.31963	9.55412	706.839	38,355.9	39,062.8	72.6242	1.93896	63.7380	41,519.9
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.27109	3.97641	2.81888	26.9690	0.06875	0.04608	6.70732	6.75340	0.04279	1.70083	1.74363	117.025	6,350.26	6,467.29	12.0238	0.32102	10.5526	6,874.10

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	19.1805	17.6517	13.9739	160.294	0.39727	0.24541	37.5447	37.7901	0.22913	9.51769	9.74682	—	40,442.0	40,442.0	1.51044	1.50502	144.959	41,073.2

Area	5.88691	5.77708	0.06735	8.00204	0.00048	0.01422	—	0.01422	0.01075	—	0.01075	—	32.9078	32.9078	0.00138	0.00028	—	33.0264
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Waste	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Total	25.0674	23.4287	14.0413	168.296	0.39775	0.25963	37.5447	37.8043	0.23988	9.51769	9.75757	706.839	40,474.9	41,181.8	72.5248	1.85027	146.105	43,692.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.4663	16.8697	16.3806	147.194	0.37318	0.24555	37.5447	37.7902	0.22928	9.51769	9.74696	—	38,005.3	38,005.3	1.69276	1.65466	3.75843	38,544.4
Area	4.46347	4.46347	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Waste	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Total	22.9297	21.3332	16.3806	147.194	0.37318	0.24555	37.5447	37.7902	0.22928	9.51769	9.74696	706.839	38,005.3	38,712.1	72.7058	1.99963	4.90442	41,130.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.2378	16.6773	15.4127	143.829	0.37649	0.24547	36.7525	36.9979	0.22919	9.31963	9.54883	—	38,339.7	38,339.7	1.61048	1.59385	62.5920	38,917.5
Area	5.16544	5.11128	0.03321	3.94621	0.00024	0.00701	—	0.00701	0.00530	—	0.00530	—	16.2285	16.2285	0.00068	0.00014	—	16.2870
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Waste	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Total	23.4032	21.7885	15.4459	147.775	0.37673	0.25248	36.7525	37.0049	0.23449	9.31963	9.55412	706.839	38,355.9	39,062.8	72.6242	1.93896	63.7380	41,519.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.32840	3.04360	2.81282	26.2488	0.06871	0.04480	6.70732	6.75212	0.04183	1.70083	1.74266	—	6,347.58	6,347.58	0.26663	0.26388	10.3628	6,443.24
Area	0.94269	0.93281	0.00606	0.72018	0.00004	0.00128	—	0.00128	0.00097	—	0.00097	—	2.68681	2.68681	0.00011	0.00002	—	2.69650
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Water	—	—	—	—	—	—	—	—	—	—	—	23.4434	0.00000	23.4434	2.40386	0.05711	—	100.560
Waste	—	—	—	—	—	—	—	—	—	—	—	93.5818	0.00000	93.5818	9.35316	0.00000	—	327.411
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18973	0.18973
Total	4.27109	3.97641	2.81888	26.9690	0.06875	0.04608	6.70732	6.75340	0.04279	1.70083	1.74363	117.025	6,350.26	6,467.29	12.0238	0.32102	10.5526	6,874.10

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	19.1805	17.6517	13.9739	160.294	0.39727	0.24541	37.5447	37.7901	0.22913	9.51769	9.74682	—	40,442.0	40,442.0	1.51044	1.50502	144.959	41,073.2
Total	19.1805	17.6517	13.9739	160.294	0.39727	0.24541	37.5447	37.7901	0.22913	9.51769	9.74682	—	40,442.0	40,442.0	1.51044	1.50502	144.959	41,073.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	18.4663	16.8697	16.3806	147.194	0.37318	0.24555	37.5447	37.7902	0.22928	9.51769	9.74696	—	38,005.3	38,005.3	1.69276	1.65466	3.75843	38,544.4
Total	18.4663	16.8697	16.3806	147.194	0.37318	0.24555	37.5447	37.7902	0.22928	9.51769	9.74696	—	38,005.3	38,005.3	1.69276	1.65466	3.75843	38,544.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	3.32840	3.04360	2.81282	26.2488	0.06871	0.04480	6.70732	6.75212	0.04183	1.70083	1.74266	—	6,347.58	6,347.58	0.26663	0.26388	10.3628	6,443.24

Total	3.32840	3.04360	2.81282	26.2488	0.06871	0.04480	6.70732	6.75212	0.04183	1.70083	1.74266	—	6,347.58	6,347.58	0.26663	0.26388	10.3628	6,443.24

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.3. Natural Gas 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Consumer Product	3.93760	3.93760	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52587	0.52587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.42343	1.31360	0.06735	8.00204	0.00048	0.01422	—	0.01422	0.01075	—	0.01075	—	32.9078	32.9078	0.00138	0.00028	—	33.0264
Total	5.88691	5.77708	0.06735	8.00204	0.00048	0.01422	—	0.01422	0.01075	—	0.01075	—	32.9078	32.9078	0.00138	0.00028	—	33.0264
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.93760	3.93760	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52587	0.52587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.46347	4.46347	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.71861	0.71861	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09597	0.09597	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.12811	0.11822	0.00606	0.72018	0.00004	0.00128	—	0.00128	0.00097	—	0.00097	—	2.68681	2.68681	0.00011	0.00002	—	2.69650
Total	0.94269	0.93281	0.00606	0.72018	0.00004	0.00128	—	0.00128	0.00097	—	0.00097	—	2.68681	2.68681	0.00011	0.00002	—	2.69650

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Total	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Total	—	—	—	—	—	—	—	—	—	—	—	141.600	0.00000	141.600	14.5194	0.34498	—	607.388
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	23.4434	0.00000	23.4434	2.40386	0.05711	—	100.560
Total	—	—	—	—	—	—	—	—	—	—	—	23.4434	0.00000	23.4434	2.40386	0.05711	—	100.560

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Total	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Total	—	—	—	—	—	—	—	—	—	—	—	565.239	0.00000	565.239	56.4936	0.00000	—	1,977.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	93.5818	0.00000	93.5818	9.35316	0.00000	—	327.411
Total	—	—	—	—	—	—	—	—	—	—	—	93.5818	0.00000	93.5818	9.35316	0.00000	—	327.411

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.14599	1.14599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18973	0.18973
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18973	0.18973

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Movie Theater (No Matinee)	5,303.00	5,303.00	5,303.00	1,935,595	53,232.3	53,232.3	53,232.3	19,429,788

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Movie Theater (No Matinee)	Wood Fireplaces	0	0
Movie Theater (No Matinee)	Gas Fireplaces	0	0
Movie Theater (No Matinee)	Propane Fireplaces	0	0

Movie Theater (No Matinee)	Electric Fireplaces	0	0
Movie Theater (No Matinee)	No Fireplaces	0	0
Movie Theater (No Matinee)	Conventional Wood Stoves	0	0
Movie Theater (No Matinee)	Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Non-Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	276,000	92,000.0	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Movie Theater (No Matinee)	4,368,896	0.00000	0.0000	0.0000	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Movie Theater (No Matinee)	73,894,669	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Movie Theater (No Matinee)	1,048.80	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6600	annual days of extreme heat
Extreme Precipitation	4.40000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	8.55000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	0	0	0	N/A
Sea Level Rise	0	0	0	N/A
Wildfire	0	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.6154
AQ-PM	15.7187
AQ-DPM	62.3895
Drinking Water	44.8982
Lead Risk Housing	58.0844
Pesticides	0.00000
Toxic Releases	27.9945
Traffic	54.5125
Effect Indicators	—
CleanUp Sites	44.0090
Groundwater	75.9754

Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	4.98504
Cardio-vascular	4.58624
Low Birth Weights	23.0562
Socioeconomic Factor Indicators	—
Education	7.82080
Housing	0.39290
Linguistic	52.5105
Poverty	7.55025
Unemployment	7.76939

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	99.96150391
Employed	78.94264083
Median HI	99.55087899
Education	—
Bachelor's or higher	99.48671885
High school enrollment	17.07943026
Preschool enrollment	62.33799564
Transportation	—
Auto Access	86.34672142
Active commuting	75.7602977

Social	—
2-parent households	97.95970743
Voting	95.97074297
Neighborhood	—
Alcohol availability	34.41550109
Park access	31.29731811
Retail density	55.16489157
Supermarket access	94.25125112
Tree canopy	86.07724881
Housing	—
Homeownership	91.35121263
Housing habitability	96.48402412
Low-inc homeowner severe housing cost burden	97.03580136
Low-inc renter severe housing cost burden	76.13242654
Uncrowded housing	86.21840113
Health Outcomes	—
Insured adults	98.71679713
Arthritis	0.0
Asthma ER Admissions	97.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	98.2
Cognitively Disabled	76.7
Physically Disabled	67.1

Heart Attack ER Admissions	92.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	89.7
Children	82.0
Elderly	11.5
English Speaking	60.3
Foreign-born	56.3
Outdoor Workers	83.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.2
Traffic Density	43.2
Traffic Access	87.4
Other Indices	—
Hardship	1.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	4.00000
Healthy Places Index Score for Project Location (b)	99.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Operations: Vehicle Data	The existing project generates 5,303 ADT per traffic report
Operations: Energy Use	Conservatively assuming existing facilities are all-electric.

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Movie Theater (No Matinee)	Weekday Trip Rate	size/day	78.0900	28.8207
Movie Theater (No Matinee)	Saturday Trip Rate	size/day	99.3200	28.8207
Movie Theater (No Matinee)	Sunday Trip Rate	size/day	81.9300	28.8207

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Movie Theater (No Matinee)	Electricity	kWh/yr	2,007,467	4,368,896
Movie Theater (No Matinee)	Electricity (Subject to Title 24)	kWh/yr	887,526	1,931,542
Movie Theater (No Matinee)	Electricity (Not Subject to Title 24)	kWh/yr	1,119,941	2,437,354
Movie Theater (No Matinee)	Natural Gas	kBTU/yr	8,057,196	0.00000
Movie Theater (No Matinee)	Natural Gas (Subject to Title 24)	kBTU/yr	3,406,880	0.00000
Movie Theater (No Matinee)	Natural Gas (Not Subject to Title 24)	kBTU/yr	4,650,315	0.00000

Cubberley Community Center Master Plan - Phase I Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cubberley Community Center Master Plan - Phase I
Construction Start Date	1/1/2030
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	32.8000
Location	37.41772793262123, -122.10845237154984
County	Santa Clara
City	Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1727
EDFZ	1
Electric Utility	City of Palo Alto
Gas Utility	City of Palo Alto Ultilities
App Version	2022.1.1.37

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
Health Club	54.0000	1000sqft	1.23967	54,000.0	0.00000	—	—	—

High Turnover (Sit Down Restaurant)	5.00000	1000sqft	0.11478	5,000.00	0.00000	—	—	—
Movie Theater (No Matinee)	86.0000	1000sqft	1.97429	86,000.0	0.00000	—	—	—
General Office Building	70.2500	1000sqft	1.61272	70,250.0	0.00000	—	—	—
Day-Care Center	16.0000	1000sqft	0.36731	16,000.0	0.00000	—	—	—
Enclosed Parking Structure	96.0000	1000sqft	2.20386	96,000.0	0.00000	—	—	—
Parking Lot	153.000	Space	1.37700	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-6	Use Diesel Particulate Filters

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.8284	50.8065	12.6404	17.8312	0.03160	0.51272	2.89945	3.41218	0.47171	1.36782	1.83952	—	4,593.87	4,593.87	0.17155	0.18406	4.58012	4,657.59
Mit.	50.8284	50.8065	12.6404	19.7333	0.03160	0.51272	2.89945	3.41218	0.47171	1.36782	1.83952	—	4,593.87	4,593.87	0.17155	0.18406	4.58012	4,657.59
% Reduced	—	—	—	-11%	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.67240	2.14741	20.2702	20.1187	0.04494	0.74166	2.94512	3.68678	0.68422	1.36782	1.83952	—	5,239.78	5,239.78	0.26429	0.30033	0.11919	5,335.97
Mit.	2.67240	2.14741	20.2702	20.1187	0.04494	0.74166	2.94512	3.68678	0.68422	1.36782	1.83952	—	5,239.78	5,239.78	0.26429	0.30033	0.11919	5,335.97
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.99476	6.96867	10.2963	15.1791	0.02833	0.32656	1.65210	1.97865	0.30107	0.46393	0.76500	—	3,782.95	3,782.95	0.15393	0.15159	1.49030	3,833.33
Mit.	6.98588	6.96160	7.00628	16.3203	0.02833	0.20135	1.65210	1.85345	0.18792	0.46393	0.65184	—	3,782.95	3,782.95	0.15393	0.15159	1.49030	3,833.33
% Reduced	< 0.5%	< 0.5%	32%	-8%	—	38%	—	6%	38%	—	15%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.27654	1.27178	1.87907	2.77019	0.00517	0.05960	0.30151	0.36110	0.05495	0.08467	0.13961	—	626.310	626.310	0.02549	0.02510	0.24674	634.652
Mit.	1.27492	1.27049	1.27865	2.97846	0.00517	0.03675	0.30151	0.33825	0.03429	0.08467	0.11896	—	626.310	626.310	0.02549	0.02510	0.24674	634.652
% Reduced	< 0.5%	< 0.5%	32%	-8%	—	38%	—	6%	38%	—	15%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.79570	1.51430	12.6404	17.8312	0.03160	0.51272	2.89945	3.41218	0.47171	1.36782	1.83952	—	4,593.87	4,593.87	0.17155	0.18406	4.58012	4,657.59
2031	1.50257	1.25775	9.55940	17.5540	0.03160	0.25144	1.50554	1.75697	0.23198	0.36597	0.59795	—	4,542.17	4,542.17	0.17037	0.17586	4.02170	4,602.85
2032	50.8284	50.8065	6.01724	10.2996	0.01395	0.19870	0.47732	0.48545	0.18280	0.11188	0.21497	—	1,637.15	1,637.15	0.06293	0.01325	0.87962	1,642.92
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.67240	2.14741	20.2702	20.1187	0.04494	0.74166	2.94512	3.68678	0.68422	1.36782	1.83952	—	5,239.78	5,239.78	0.26429	0.30033	0.11919	5,335.97
2031	1.49446	1.24676	9.67400	16.9468	0.03160	0.25144	1.50554	1.75697	0.23198	0.36597	0.59795	—	4,461.26	4,461.26	0.17612	0.17586	0.10416	4,518.17

2032	0.95043	0.83366	6.02285	10.2299	0.01395	0.19870	1.50554	1.54424	0.18280	0.36597	0.40224	—	2,319.40	2,319.40	0.08018	0.15889	0.09042	2,368.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.50559	1.24324	10.2963	15.1791	0.02833	0.32656	1.65210	1.97865	0.30107	0.46393	0.76500	—	3,782.95	3,782.95	0.15393	0.15159	1.36345	3,833.33
2031	0.81818	0.68344	4.87085	9.35549	0.01728	0.11539	1.26417	1.37955	0.10672	0.30712	0.41384	—	2,835.90	2,835.90	0.10804	0.14264	1.49030	2,882.60
2032	6.99476	6.96867	1.13732	2.20631	0.00306	0.03113	0.20891	0.24004	0.02870	0.05004	0.07873	—	494.411	494.411	0.01711	0.01619	0.19631	499.860
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.27477	0.22689	1.87907	2.77019	0.00517	0.05960	0.30151	0.36110	0.05495	0.08467	0.13961	—	626.310	626.310	0.02549	0.02510	0.22573	634.652
2031	0.14932	0.12473	0.88893	1.70738	0.00315	0.02106	0.23071	0.25177	0.01948	0.05605	0.07553	—	469.515	469.515	0.01789	0.02362	0.24674	477.247
2032	1.27654	1.27178	0.20756	0.40265	0.00056	0.00568	0.03813	0.04381	0.00524	0.00913	0.01437	—	81.8554	81.8554	0.00283	0.00268	0.03250	82.7576

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.79570	1.51430	12.6404	19.7333	0.03160	0.51272	2.89945	3.41218	0.47171	1.36782	1.83952	—	4,593.87	4,593.87	0.17155	0.18406	4.58012	4,657.59
2031	0.75311	0.66698	4.24998	19.5292	0.03160	0.05587	1.50554	1.56141	0.05551	0.36597	0.42148	—	4,542.17	4,542.17	0.17037	0.17586	4.02170	4,602.85
2032	50.8284	50.8065	6.01724	10.2996	0.01395	0.19870	0.47732	0.48545	0.18280	0.11188	0.21497	—	1,637.15	1,637.15	0.06293	0.01325	0.87962	1,642.92
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.67240	2.14741	20.2702	20.1187	0.04494	0.74166	2.94512	3.68678	0.68422	1.36782	1.83952	—	5,239.78	5,239.78	0.26429	0.30033	0.11919	5,335.97
2031	0.74499	0.65598	4.36458	18.9221	0.03160	0.05587	1.50554	1.56141	0.05551	0.36597	0.42148	—	4,461.26	4,461.26	0.17612	0.17586	0.10416	4,518.17
2032	0.95043	0.83366	6.02285	10.2299	0.01395	0.19870	1.50554	1.51953	0.18280	0.36597	0.37996	—	2,319.40	2,319.40	0.08018	0.15889	0.09042	2,368.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.04846	0.88215	7.00628	16.3203	0.02833	0.20135	1.65210	1.85345	0.18792	0.46393	0.65184	—	3,782.95	3,782.95	0.15393	0.15159	1.36345	3,833.33
2031	0.48252	0.41843	2.41758	10.1449	0.01728	0.02793	1.26417	1.29209	0.02779	0.30712	0.33491	—	2,835.90	2,835.90	0.10804	0.14264	1.49030	2,882.60

2032	6.98588	6.96160	1.06123	2.21338	0.00306	0.02898	0.20891	0.23789	0.02676	0.05004	0.07680	—	494.411	494.411	0.01711	0.01619	0.19631	499.860
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.19134	0.16099	1.27865	2.97846	0.00517	0.03675	0.30151	0.33825	0.03429	0.08467	0.11896	—	626.310	626.310	0.02549	0.02510	0.22573	634.652
2031	0.08806	0.07636	0.44121	1.85144	0.00315	0.00510	0.23071	0.23581	0.00507	0.05605	0.06112	—	469.515	469.515	0.01789	0.02362	0.24674	477.247
2032	1.27492	1.27049	0.19367	0.40394	0.00056	0.00529	0.03813	0.04342	0.00488	0.00913	0.01402	—	81.8554	81.8554	0.00283	0.00268	0.03250	82.7576

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.9166	20.6369	9.17158	132.995	0.32882	0.18779	34.2220	34.4098	0.17089	8.67635	8.84724	609.011	33,451.9	34,060.9	62.2078	1.41634	69.1402	36,107.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.9559	17.8382	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	609.011	31,385.5	31,994.5	62.3189	1.52742	10.4072	34,018.0
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.0541	18.8580	10.0296	113.161	0.31128	0.17501	33.5001	33.6752	0.16123	8.49588	8.65711	609.011	31,691.5	32,300.6	62.2693	1.48227	34.8793	34,333.9
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.65987	3.44159	1.83041	20.6519	0.05681	0.03194	6.11378	6.14571	0.02942	1.55050	1.57992	100.829	5,246.90	5,347.73	10.3094	0.24541	5.77466	5,684.37

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	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6
Area	8.17478	7.97945	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	21.9166	20.6369	9.17158	132.995	0.32882	0.18779	34.2220	34.4098	0.17089	8.67635	8.84724	609.011	33,451.9	34,060.9	62.2078	1.41634	69.1402	36,107.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Area	5.64022	5.64022	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	18.9559	17.8382	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	609.011	31,385.5	31,994.5	62.3189	1.52742	10.4072	34,018.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.1639	12.0642	9.97056	106.142	0.31086	0.16254	33.5001	33.6627	0.15181	8.49588	8.64768	—	31,662.7	31,662.7	1.13918	1.23730	26.0355	32,085.9
Area	6.89014	6.79381	0.05906	7.01901	0.00042	0.01247	—	0.01247	0.00942	—	0.00942	—	28.8629	28.8629	0.00121	0.00025	—	28.9670
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	20.0541	18.8580	10.0296	113.161	0.31128	0.17501	33.5001	33.6752	0.16123	8.49588	8.65711	609.011	31,691.5	32,300.6	62.2693	1.48227	34.8793	34,333.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19
Area	1.25745	1.23987	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581

Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	16.6309	0.00000	16.6309	1.70530	0.04052	—	71.3377
Waste	—	—	—	—	—	—	—	—	—	—	—	84.1979	0.00000	84.1979	8.41528	0.00000	—	294.580
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.46419	1.46419
Total	3.65987	3.44159	1.83041	20.6519	0.05681	0.03194	6.11378	6.14571	0.02942	1.55050	1.57992	100.829	5,246.90	5,347.73	10.3094	0.24541	5.77466	5,684.37

2.6. Operations Emissions by Sector, Mitigated

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	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6
Area	8.17478	7.97945	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	21.9166	20.6369	9.17158	132.995	0.32882	0.18779	34.2220	34.4098	0.17089	8.67635	8.84724	609.011	33,451.9	34,060.9	62.2078	1.41634	69.1402	36,107.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Area	5.64022	5.64022	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	18.9559	17.8382	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	609.011	31,385.5	31,994.5	62.3189	1.52742	10.4072	34,018.0

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.1639	12.0642	9.97056	106.142	0.31086	0.16254	33.5001	33.6627	0.15181	8.49588	8.64768	—	31,662.7	31,662.7	1.13918	1.23730	26.0355	32,085.9
Area	6.89014	6.79381	0.05906	7.01901	0.00042	0.01247	—	0.01247	0.00942	—	0.00942	—	28.8629	28.8629	0.00121	0.00025	—	28.9670
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Waste	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Total	20.0541	18.8580	10.0296	113.161	0.31128	0.17501	33.5001	33.6752	0.16123	8.49588	8.65711	609.011	31,691.5	32,300.6	62.2693	1.48227	34.8793	34,333.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19
Area	1.25745	1.23987	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	16.6309	0.00000	16.6309	1.70530	0.04052	—	71.3377
Waste	—	—	—	—	—	—	—	—	—	—	—	84.1979	0.00000	84.1979	8.41528	0.00000	—	294.580
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.46419	1.46419
Total	3.65987	3.44159	1.83041	20.6519	0.05681	0.03194	6.11378	6.14571	0.02942	1.55050	1.57992	100.829	5,246.90	5,347.73	10.3094	0.24541	5.77466	5,684.37

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

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

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

Off-Roa Equipment	2.48435	2.08511	18.1258	18.6740	0.03253	0.71801	—	0.71801	0.66057	—	0.66057	—	3,426.32	3,426.32	0.13899	0.02780	—	3,438.08
Demolition	—	—	—	—	—	—	2.31063	2.31063	—	0.34990	0.34990	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33351	0.27992	2.43333	2.50692	0.00437	0.09639	—	0.09639	0.08868	—	0.08868	—	459.972	459.972	0.01866	0.00373	—	461.551
Demolition	—	—	—	—	—	—	0.31019	0.31019	—	0.04697	0.04697	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06087	0.05109	0.44408	0.45751	0.00080	0.01759	—	0.01759	0.01618	—	0.01618	—	76.1537	76.1537	0.00309	0.00062	—	76.4150
Demolition	—	—	—	—	—	—	0.05661	0.05661	—	0.00857	0.00857	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03669	0.03570	0.03001	0.41287	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	120.481	120.481	0.00231	0.00527	0.00851	122.119
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15137	0.02661	2.11442	1.03178	0.01242	0.02365	0.49724	0.52089	0.02365	0.13614	0.15979	—	1,692.98	1,692.98	0.12299	0.26726	0.07035	1,775.77

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00470	0.00394	0.05489	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	16.3524	16.3524	0.00027	0.00013	0.01899	16.4177
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02048	0.00373	0.27909	0.13788	0.00167	0.00318	0.06568	0.06886	0.00318	0.01801	0.02118	—	227.213	227.213	0.01651	0.03588	0.15710	238.474
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00086	0.00072	0.01002	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.70732	2.70732	0.00004	0.00002	0.00314	2.71814
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00374	0.00068	0.05093	0.02516	0.00030	0.00058	0.01199	0.01257	0.00058	0.00329	0.00387	—	37.6176	37.6176	0.00273	0.00594	0.02601	39.4821

3.2. Demolition (2030) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48435	2.08511	18.1258	18.6740	0.03253	0.71801	—	0.71801	0.66057	—	0.66057	—	3,426.32	3,426.32	0.13899	0.02780	—	3,438.08
Demolition	—	—	—	—	—	—	2.31063	2.31063	—	0.34990	0.34990	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.33351	0.27992	2.43333	2.50692	0.00437	0.09639	—	0.09639	0.08868	—	0.08868	—	459.972	459.972	0.01866	0.00373	—	461.551
Demolition	—	—	—	—	—	—	0.31019	0.31019	—	0.04697	0.04697	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06087	0.05109	0.44408	0.45751	0.00080	0.01759	—	0.01759	0.01618	—	0.01618	—	76.1537	76.1537	0.00309	0.00062	—	76.4150
Demolition	—	—	—	—	—	—	0.05661	0.05661	—	0.00857	0.00857	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03669	0.03570	0.03001	0.41287	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	120.481	120.481	0.00231	0.00527	0.00851	122.119
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15137	0.02661	2.11442	1.03178	0.01242	0.02365	0.49724	0.52089	0.02365	0.13614	0.15979	—	1,692.98	1,692.98	0.12299	0.26726	0.07035	1,775.77
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00470	0.00394	0.05489	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	16.3524	16.3524	0.00027	0.00013	0.01899	16.4177
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02048	0.00373	0.27909	0.13788	0.00167	0.00318	0.06568	0.06886	0.00318	0.01801	0.02118	—	227.213	227.213	0.01651	0.03588	0.15710	238.474
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00086	0.00072	0.01002	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.70732	2.70732	0.00004	0.00002	0.00314	2.71814

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00374	0.00068	0.05093	0.02516	0.00030	0.00058	0.01199	0.01257	0.00058	0.00329	0.00387	—	37.6176	37.6176	0.00273	0.00594	0.02601	39.4821

3.3. Grading (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75769	1.47695	12.6160	17.3443	0.02732	0.51272	—	0.51272	0.47171	—	0.47171	—	2,958.97	2,958.97	0.12003	0.02401	—	2,969.13
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75769	1.47695	12.6160	17.3443	0.02732	0.51272	—	0.51272	0.47171	—	0.47171	—	2,958.97	2,958.97	0.12003	0.02401	—	2,969.13
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.23596	0.19827	1.69365	2.32842	0.00367	0.06883	—	0.06883	0.06332	—	0.06332	—	397.232	397.232	0.01611	0.00322	—	398.595
Dust From Material Movement	—	—	—	—	—	—	0.37082	0.37082	—	0.17931	0.17931	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.04306	0.03619	0.30909	0.42494	0.00067	0.01256	—	0.01256	0.01156	—	0.01156	—	65.7663	65.7663	0.00267	0.00053	—	65.9920
Dust From Material Movement	—	—	—	—	—	—	0.06767	0.06767	—	0.03272	0.03272	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03801	0.03735	0.02441	0.48685	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	130.044	130.044	0.00165	0.00099	0.32702	130.708
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03669	0.03570	0.03001	0.41287	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	120.481	120.481	0.00231	0.00527	0.00851	122.119
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00470	0.00394	0.05489	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	16.3524	16.3524	0.00027	0.00013	0.01899	16.4177

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00086	0.00072	0.01002	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.70732	2.70732	0.00004	0.00002	0.00314	2.71814
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Grading (2030) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75769	1.47695	12.6160	17.3443	0.02732	0.51272	—	0.51272	0.47171	—	0.47171	—	2,958.97	2,958.97	0.12003	0.02401	—	2,969.13
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75769	1.47695	12.6160	17.3443	0.02732	0.51272	—	0.51272	0.47171	—	0.47171	—	2,958.97	2,958.97	0.12003	0.02401	—	2,969.13

Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23596	0.19827	1.69365	2.32842	0.00367	0.06883	—	0.06883	0.06332	—	0.06332	—	397.232	397.232	0.01611	0.00322	—	398.595
Dust From Material Movement	—	—	—	—	—	—	0.37082	0.37082	—	0.17931	0.17931	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04306	0.03619	0.30909	0.42494	0.00067	0.01256	—	0.01256	0.01156	—	0.01156	—	65.7663	65.7663	0.00267	0.00053	—	65.9920
Dust From Material Movement	—	—	—	—	—	—	0.06767	0.06767	—	0.03272	0.03272	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03801	0.03735	0.02441	0.48685	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	130.044	130.044	0.00165	0.00099	0.32702	130.708
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03669	0.03570	0.03001	0.41287	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	120.481	120.481	0.00231	0.00527	0.00851	122.119
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00470	0.00394	0.05489	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	16.3524	16.3524	0.00027	0.00013	0.01899	16.4177
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00086	0.00072	0.01002	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.70732	2.70732	0.00004	0.00002	0.00314	2.71814
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. New Building Construction (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.66236	0.55426	4.94649	7.59470	0.01379	0.15332	—	0.15332	0.14106	—	0.14106	—	1,412.77	1,412.77	0.05731	0.01146	—	1,417.62
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.12088	0.10115	0.90274	1.38603	0.00252	0.02798	—	0.02798	0.02574	—	0.02574	—	233.900	233.900	0.00949	0.00190	—	234.703
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33051	0.32476	0.21219	4.23297	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,130.69	1,130.69	0.01438	0.00863	2.84332	1,136.46
Vendor	0.10120	0.03186	1.28904	0.67952	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,066.35	1,066.35	0.05995	0.15599	1.73680	1,116.07
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31901	0.31039	0.26093	3.58977	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,047.54	1,047.54	0.02013	0.04586	0.07401	1,061.79
Vendor	0.09883	0.02949	1.35491	0.69962	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,067.39	1,067.39	0.05877	0.15599	0.04518	1,115.39
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18465	0.17956	0.15041	2.09534	0.00000	0.00000	0.68855	0.68855	0.00000	0.16116	0.16116	—	624.258	624.258	0.01017	0.00508	0.72499	626.753
Vendor	0.05895	0.01808	0.78542	0.40611	0.00484	0.00484	0.18078	0.18561	0.00484	0.05003	0.05487	—	628.795	628.795	0.03464	0.09195	0.44338	657.505
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03370	0.03277	0.02745	0.38240	0.00000	0.00000	0.12566	0.12566	0.00000	0.02941	0.02941	—	103.353	103.353	0.00168	0.00084	0.12003	103.766
Vendor	0.01076	0.00330	0.14334	0.07411	0.00088	0.00088	0.03299	0.03387	0.00088	0.00913	0.01001	—	104.104	104.104	0.00574	0.01522	0.07341	108.857
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. New Building Construction (2030) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34818	0.32773	2.81033	14.8208	0.02340	0.04770	—	0.04770	0.04733	—	0.04733	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34818	0.32773	2.81033	14.8208	0.02340	0.04770	—	0.04770	0.04733	—	0.04733	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.20523	0.19317	1.65650	8.73587	0.01379	0.02812	—	0.02812	0.02790	—	0.02790	—	1,412.77	1,412.77	0.05731	0.01146	—	1,417.62
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03745	0.03525	0.30231	1.59430	0.00252	0.00513	—	0.00513	0.00509	—	0.00509	—	233.900	233.900	0.00949	0.00190	—	234.703
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33051	0.32476	0.21219	4.23297	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,130.69	1,130.69	0.01438	0.00863	2.84332	1,136.46
Vendor	0.10120	0.03186	1.28904	0.67952	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,066.35	1,066.35	0.05995	0.15599	1.73680	1,116.07
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31901	0.31039	0.26093	3.58977	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,047.54	1,047.54	0.02013	0.04586	0.07401	1,061.79
Vendor	0.09883	0.02949	1.35491	0.69962	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,067.39	1,067.39	0.05877	0.15599	0.04518	1,115.39
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18465	0.17956	0.15041	2.09534	0.00000	0.00000	0.68855	0.68855	0.00000	0.16116	0.16116	—	624.258	624.258	0.01017	0.00508	0.72499	626.753
Vendor	0.05895	0.01808	0.78542	0.40611	0.00484	0.00484	0.18078	0.18561	0.00484	0.05003	0.05487	—	628.795	628.795	0.03464	0.09195	0.44338	657.505
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03370	0.03277	0.02745	0.38240	0.00000	0.00000	0.12566	0.12566	0.00000	0.02941	0.02941	—	103.353	103.353	0.00168	0.00084	0.12003	103.766
Vendor	0.01076	0.00330	0.14334	0.07411	0.00088	0.00088	0.03299	0.03387	0.00088	0.00913	0.01001	—	104.104	104.104	0.00574	0.01522	0.07341	108.857

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. New Building Construction (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09751	0.91839	8.11856	12.8454	0.02340	0.24323	—	0.24323	0.22377	—	0.22377	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09751	0.91839	8.11856	12.8454	0.02340	0.24323	—	0.24323	0.22377	—	0.22377	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41752	0.34938	3.08855	4.88678	0.00890	0.09253	—	0.09253	0.08513	—	0.08513	—	911.828	911.828	0.03699	0.00740	—	914.957
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07620	0.06376	0.56366	0.89184	0.00162	0.01689	—	0.01689	0.01554	—	0.01554	—	150.964	150.964	0.00612	0.00122	—	151.482
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31326	0.30751	0.20932	4.04665	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,115.41	1,115.41	0.01438	0.00863	2.50787	1,120.85
Vendor	0.09181	0.03186	1.23153	0.66193	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,029.92	1,029.92	0.05877	0.14779	1.51383	1,076.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30751	0.29888	0.25806	3.42056	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,033.43	1,033.43	0.02013	0.00863	0.06496	1,036.56
Vendor	0.08944	0.02949	1.29739	0.68085	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,031.00	1,031.00	0.05877	0.14779	0.03920	1,076.55
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11480	0.11261	0.08182	1.29237	0.00000	0.00000	0.44440	0.44440	0.00000	0.10402	0.10402	—	397.471	397.471	0.00656	0.00328	0.41323	399.026
Vendor	0.03448	0.01167	0.48505	0.25497	0.00312	0.00312	0.11668	0.11980	0.00312	0.03229	0.03541	—	391.986	391.986	0.02236	0.05622	0.24822	409.548
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02095	0.02055	0.01493	0.23586	0.00000	0.00000	0.08110	0.08110	0.00000	0.01898	0.01898	—	65.8058	65.8058	0.00109	0.00054	0.06841	66.0633
Vendor	0.00629	0.00213	0.08852	0.04653	0.00057	0.00057	0.02129	0.02186	0.00057	0.00589	0.00646	—	64.8978	64.8978	0.00370	0.00931	0.04110	67.8053
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. New Building Construction (2031) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34804	0.32761	2.80913	14.8207	0.02340	0.04767	—	0.04767	0.04731	—	0.04731	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34804	0.32761	2.80913	14.8207	0.02340	0.04767	—	0.04767	0.04731	—	0.04731	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13241	0.12463	1.06868	5.63823	0.00890	0.01813	—	0.01813	0.01800	—	0.01800	—	911.828	911.828	0.03699	0.00740	—	914.957
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02416	0.02275	0.19503	1.02898	0.00162	0.00331	—	0.00331	0.00328	—	0.00328	—	150.964	150.964	0.00612	0.00122	—	151.482
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31326	0.30751	0.20932	4.04665	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,115.41	1,115.41	0.01438	0.00863	2.50787	1,120.85
Vendor	0.09181	0.03186	1.23153	0.66193	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,029.92	1,029.92	0.05877	0.14779	1.51383	1,076.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30751	0.29888	0.25806	3.42056	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,033.43	1,033.43	0.02013	0.00863	0.06496	1,036.56
Vendor	0.08944	0.02949	1.29739	0.68085	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,031.00	1,031.00	0.05877	0.14779	0.03920	1,076.55
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11480	0.11261	0.08182	1.29237	0.00000	0.00000	0.44440	0.44440	0.00000	0.10402	0.10402	—	397.471	397.471	0.00656	0.00328	0.41323	399.026
Vendor	0.03448	0.01167	0.48505	0.25497	0.00312	0.00312	0.11668	0.11980	0.00312	0.03229	0.03541	—	391.986	391.986	0.02236	0.05622	0.24822	409.548
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02095	0.02055	0.01493	0.23586	0.00000	0.00000	0.08110	0.08110	0.00000	0.01898	0.01898	—	65.8058	65.8058	0.00109	0.00054	0.06841	66.0633
Vendor	0.00629	0.00213	0.08852	0.04653	0.00057	0.00057	0.02129	0.02186	0.00057	0.00589	0.00646	—	64.8978	64.8978	0.00370	0.00931	0.04110	67.8053
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Renovation Building Construction (2031) - Unmitigated

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

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

Off-Road Equipm	0.13493	0.11338	1.05957	2.06085	0.00282	0.03319	—	0.03319	0.03053	—	0.03053	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13493	0.11338	1.05957	2.06085	0.00282	0.03319	—	0.03319	0.03053	—	0.03053	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06432	0.05405	0.50511	0.98243	0.00134	0.01582	—	0.01582	0.01455	—	0.01455	—	145.354	145.354	0.00590	0.00118	—	145.853
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01174	0.00986	0.09218	0.17929	0.00025	0.00289	—	0.00289	0.00266	—	0.00266	—	24.0651	24.0651	0.00098	0.00020	—	24.1476
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31326	0.30751	0.20932	4.04665	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,115.41	1,115.41	0.01438	0.00863	2.50787	1,120.85
Vendor	0.09181	0.03186	1.23153	0.66193	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,029.92	1,029.92	0.05877	0.14779	1.51383	1,076.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30751	0.29888	0.25806	3.42056	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,033.43	1,033.43	0.02013	0.00863	0.06496	1,036.56
Vendor	0.08944	0.02949	1.29739	0.68085	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,031.00	1,031.00	0.05877	0.14779	0.03920	1,076.55
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14385	0.14111	0.10253	1.61945	0.00000	0.00000	0.55688	0.55688	0.00000	0.13034	0.13034	—	498.065	498.065	0.00822	0.00411	0.51781	500.014
Vendor	0.04320	0.01462	0.60781	0.31949	0.00391	0.00391	0.14621	0.15012	0.00391	0.04046	0.04438	—	491.192	491.192	0.02802	0.07045	0.31104	513.198
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02625	0.02575	0.01871	0.29555	0.00000	0.00000	0.10163	0.10163	0.00000	0.02379	0.02379	—	82.4604	82.4604	0.00136	0.00068	0.08573	82.7831
Vendor	0.00788	0.00267	0.11092	0.05831	0.00071	0.00071	0.02668	0.02740	0.00071	0.00738	0.00810	—	81.3225	81.3225	0.00464	0.01166	0.05150	84.9659
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Renovation Building Construction (2031) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02892	0.02892	0.15041	2.14042	0.00282	0.00578	—	0.00578	0.00578	—	0.00578	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02892	0.02892	0.15041	2.14042	0.00282	0.00578	—	0.00578	0.00578	—	0.00578	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01379	0.01379	0.07170	1.02037	0.00134	0.00276	—	0.00276	0.00276	—	0.00276	—	145.354	145.354	0.00590	0.00118	—	145.853
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.00252	0.00252	0.01309	0.18622	0.00025	0.00050	—	0.00050	0.00050	—	0.00050	—	24.0651	24.0651	0.00098	0.00020	—	24.1476
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31326	0.30751	0.20932	4.04665	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,115.41	1,115.41	0.01438	0.00863	2.50787	1,120.85
Vendor	0.09181	0.03186	1.23153	0.66193	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,029.92	1,029.92	0.05877	0.14779	1.51383	1,076.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30751	0.29888	0.25806	3.42056	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,033.43	1,033.43	0.02013	0.00863	0.06496	1,036.56
Vendor	0.08944	0.02949	1.29739	0.68085	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	1,031.00	1,031.00	0.05877	0.14779	0.03920	1,076.55
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.14385	0.14111	0.10253	1.61945	0.00000	0.00000	0.55688	0.55688	0.00000	0.13034	0.13034	—	498.065	498.065	0.00822	0.00411	0.51781	500.014
Vendor	0.04320	0.01462	0.60781	0.31949	0.00391	0.00391	0.14621	0.15012	0.00391	0.04046	0.04438	—	491.192	491.192	0.02802	0.07045	0.31104	513.198
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02625	0.02575	0.01871	0.29555	0.00000	0.00000	0.10163	0.10163	0.00000	0.02379	0.02379	—	82.4604	82.4604	0.00136	0.00068	0.08573	82.7831
Vendor	0.00788	0.00267	0.11092	0.05831	0.00071	0.00071	0.02668	0.02740	0.00071	0.00738	0.00810	—	81.3225	81.3225	0.00464	0.01166	0.05150	84.9659
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Renovation Building Construction (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13118	0.11023	1.02615	2.05906	0.00282	0.03050	—	0.03050	0.02806	—	0.02806	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01140	0.00958	0.08916	0.17891	0.00024	0.00265	—	0.00265	0.00244	—	0.00244	—	26.4931	26.4931	0.00107	0.00021	—	26.5841
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.00208	0.00175	0.01627	0.03265	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	4.38624	4.38624	0.00018	0.00004	—	4.40129
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29601	0.28738	0.21795	3.22275	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,019.19	1,019.19	0.01725	0.00863	0.05697	1,022.24
Vendor	0.08944	0.02949	1.24926	0.65386	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	995.302	995.302	0.05056	0.14779	0.03345	1,040.64
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02522	0.02472	0.01844	0.27848	0.00000	0.00000	0.10150	0.10150	0.00000	0.02376	0.02376	—	89.5317	89.5317	0.00150	0.00075	0.08235	89.8749
Vendor	0.00787	0.00267	0.10650	0.05599	0.00071	0.00071	0.02665	0.02736	0.00071	0.00738	0.00809	—	86.4248	86.4248	0.00439	0.01284	0.04843	90.4096
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00460	0.00451	0.00336	0.05082	0.00000	0.00000	0.01852	0.01852	0.00000	0.00434	0.00434	—	14.8230	14.8230	0.00025	0.00012	0.01363	14.8798
Vendor	0.00144	0.00049	0.01944	0.01022	0.00013	0.00013	0.00486	0.00499	0.00013	0.00135	0.00148	—	14.3086	14.3086	0.00073	0.00213	0.00802	14.9683
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. Renovation Building Construction (2032) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02892	0.02892	0.15041	2.14042	0.00282	0.00578	—	0.00578	0.00578	—	0.00578	—	304.910	304.910	0.01237	0.00247	—	305.956
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00251	0.00251	0.01307	0.18598	0.00024	0.00050	—	0.00050	0.00050	—	0.00050	—	26.4931	26.4931	0.00107	0.00021	—	26.5841
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00046	0.00046	0.00239	0.03394	0.00004	0.00009	—	0.00009	0.00009	—	0.00009	—	4.38624	4.38624	0.00018	0.00004	—	4.40129
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29601	0.28738	0.21795	3.22275	0.00000	0.00000	1.19330	1.19330	0.00000	0.27971	0.27971	—	1,019.19	1,019.19	0.01725	0.00863	0.05697	1,022.24
Vendor	0.08944	0.02949	1.24926	0.65386	0.00821	0.00821	0.31224	0.32044	0.00821	0.08627	0.09447	—	995.302	995.302	0.05056	0.14779	0.03345	1,040.64
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02522	0.02472	0.01844	0.27848	0.00000	0.00000	0.10150	0.10150	0.00000	0.02376	0.02376	—	89.5317	89.5317	0.00150	0.00075	0.08235	89.8749
Vendor	0.00787	0.00267	0.10650	0.05599	0.00071	0.00071	0.02665	0.02736	0.00071	0.00738	0.00809	—	86.4248	86.4248	0.00439	0.01284	0.04843	90.4096
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00460	0.00451	0.00336	0.05082	0.00000	0.00000	0.01852	0.01852	0.00000	0.00434	0.00434	—	14.8230	14.8230	0.00025	0.00012	0.01363	14.8798
Vendor	0.00144	0.00049	0.01944	0.01022	0.00013	0.00013	0.00486	0.00499	0.00013	0.00135	0.00148	—	14.3086	14.3086	0.00073	0.00213	0.00802	14.9683
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Paving (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72492	0.60914	5.99778	9.85925	0.01395	0.19870	—	0.19870	0.18280	—	0.18280	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.19147	0.19147	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72492	0.60914	5.99778	9.85925	0.01395	0.19870	—	0.19870	0.18280	—	0.18280	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.19147	0.19147	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09732	0.08177	0.80518	1.32357	0.00187	0.02667	—	0.02667	0.02454	—	0.02454	—	202.797	202.797	0.00823	0.00165	—	203.493
Paving	0.02570	0.02570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01776	0.01492	0.14695	0.24155	0.00034	0.00487	—	0.00487	0.00448	—	0.00448	—	33.5753	33.5753	0.00136	0.00027	—	33.6905
Paving	0.00469	0.00469	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03504	0.03438	0.01946	0.44037	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	126.520	126.520	0.00165	0.00099	0.25292	127.110
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03404	0.03305	0.02507	0.37066	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	117.220	117.220	0.00198	0.00099	0.00655	117.571
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00448	0.00439	0.00328	0.04949	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	15.9098	15.9098	0.00027	0.00013	0.01463	15.9708
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00082	0.00080	0.00060	0.00903	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.63405	2.63405	0.00004	0.00002	0.00242	2.64415
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.14. Paving (2032) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72492	0.60914	5.99778	9.85925	0.01395	0.19870	—	0.19870	0.18280	—	0.18280	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.19147	0.19147	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72492	0.60914	5.99778	9.85925	0.01395	0.19870	—	0.19870	0.18280	—	0.18280	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.19147	0.19147	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.09732	0.08177	0.80518	1.32357	0.00187	0.02667	—	0.02667	0.02454	—	0.02454	—	202.797	202.797	0.00823	0.00165	—	203.493
Paving	0.02570	0.02570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01776	0.01492	0.14695	0.24155	0.00034	0.00487	—	0.00487	0.00448	—	0.00448	—	33.5753	33.5753	0.00136	0.00027	—	33.6905
Paving	0.00469	0.00469	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03504	0.03438	0.01946	0.44037	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	126.520	126.520	0.00165	0.00099	0.25292	127.110
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03404	0.03305	0.02507	0.37066	0.00000	0.00000	0.13724	0.13724	0.00000	0.03217	0.03217	—	117.220	117.220	0.00198	0.00099	0.00655	117.571
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00448	0.00439	0.00328	0.04949	0.00000	0.00000	0.01804	0.01804	0.00000	0.00422	0.00422	—	15.9098	15.9098	0.00027	0.00013	0.01463	15.9708
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00082	0.00080	0.00060	0.00903	0.00000	0.00000	0.00329	0.00329	0.00000	0.00077	0.00077	—	2.63405	2.63405	0.00004	0.00002	0.00242	2.64415
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.15. Architectural Coating (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11264	0.09309	0.77005	1.10069	0.00173	0.00813	—	0.00813	0.00748	—	0.00748	—	133.504	133.504	0.00542	0.00108	—	133.962
Architectural Coatings	50.5939	50.5939	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01512	0.01250	0.10338	0.14776	0.00023	0.00109	—	0.00109	0.00100	—	0.00100	—	17.9224	17.9224	0.00073	0.00015	—	17.9839
Architectural Coatings	6.79206	6.79206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00276	0.00228	0.01887	0.02697	0.00004	0.00020	—	0.00020	0.00018	—	0.00018	—	2.96726	2.96726	0.00012	0.00002	—	2.97744
Architectural Coatings	1.23955	1.23955	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12185	0.11955	0.06768	1.53154	0.00000	0.00000	0.47732	0.47732	0.00000	0.11188	0.11188	—	440.021	440.021	0.00575	0.00345	0.87962	442.072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01559	0.01528	0.01139	0.17211	0.00000	0.00000	0.06273	0.06273	0.00000	0.01468	0.01468	—	55.3322	55.3322	0.00093	0.00046	0.05089	55.5443
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00284	0.00279	0.00208	0.03141	0.00000	0.00000	0.01145	0.01145	0.00000	0.00268	0.00268	—	9.16088	9.16088	0.00015	0.00008	0.00843	9.19599
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.16. Architectural Coating (2032) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11264	0.09309	0.77005	1.10069	0.00173	0.00813	—	0.00813	0.00748	—	0.00748	—	133.504	133.504	0.00542	0.00108	—	133.962
Architectural Coatings	50.5939	50.5939	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01512	0.01250	0.10338	0.14776	0.00023	0.00109	—	0.00109	0.00100	—	0.00100	—	17.9224	17.9224	0.00073	0.00015	—	17.9839
Architectural Coatings	6.79206	6.79206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00276	0.00228	0.01887	0.02697	0.00004	0.00020	—	0.00020	0.00018	—	0.00018	—	2.96726	2.96726	0.00012	0.00002	—	2.97744
Architectural Coatings	1.23955	1.23955	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12185	0.11955	0.06768	1.53154	0.00000	0.00000	0.47732	0.47732	0.00000	0.11188	0.11188	—	440.021	440.021	0.00575	0.00345	0.87962	442.072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01559	0.01528	0.01139	0.17211	0.00000	0.00000	0.06273	0.06273	0.00000	0.01468	0.01468	—	55.3322	55.3322	0.00093	0.00046	0.05089	55.5443
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00284	0.00279	0.00208	0.03141	0.00000	0.00000	0.01145	0.01145	0.00000	0.00268	0.00268	—	9.16088	9.16088	0.00015	0.00008	0.00843	9.19599
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

General Office Building	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6

Day-Care	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.7418	12.6575	9.05182	118.762	0.32797	0.16251	34.2220	34.3845	0.15178	8.67635	8.82813	—	33,393.4	33,393.4	1.07650	1.17111	60.2964	33,829.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.3157	12.1980	10.5946	107.953	0.30812	0.16258	34.2220	34.3846	0.15184	8.67635	8.82819	—	31,385.5	31,385.5	1.18999	1.28269	1.56338	31,799.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	2.40242	2.20172	1.81963	19.3710	0.05673	0.02966	6.11378	6.14344	0.02770	1.55050	1.57820	—	5,242.12	5,242.12	0.18860	0.20485	4.31047	5,312.19

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.3. Natural Gas 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Day-Care	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.96102	4.96102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67921	0.67921	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.53456	2.33922	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386
Total	8.17478	7.97945	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.96102	4.96102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67921	0.67921	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.64022	5.64022	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.90539	0.90539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12396	0.12396	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22811	0.21053	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581
Total	1.25745	1.23987	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.96102	4.96102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67921	0.67921	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.53456	2.33922	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386
Total	8.17478	7.97945	0.11976	14.2330	0.00085	0.02528	—	0.02528	0.01911	—	0.01911	—	58.5276	58.5276	0.00246	0.00050	—	58.7386

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.96102	4.96102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67921	0.67921	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.64022	5.64022	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.90539	0.90539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12396	0.12396	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22811	0.21053	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581
Total	1.25745	1.23987	0.01078	1.28097	0.00008	0.00228	—	0.00228	0.00172	—	0.00172	—	4.77858	4.77858	0.00020	0.00004	—	4.79581

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	—	—	—	—	—	—	—	—	—	—	—	6.11994	0.00000	6.11994	0.62753	0.01491	—	26.2513
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	66.1824	0.00000	66.1824	6.78625	0.16124	—	283.888
General Office Building	—	—	—	—	—	—	—	—	—	—	—	23.9257	0.00000	23.9257	2.45331	0.05829	—	102.629
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.31498	0.00000	1.31498	0.13484	0.00320	—	5.64059
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.11994	0.00000	6.11994	0.62753	0.01491	—	26.2513
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	66.1824	0.00000	66.1824	6.78625	0.16124	—	283.888

General Office Building	—	—	—	—	—	—	—	—	—	—	—	23.9257	0.00000	23.9257	2.45331	0.05829	—	102.629
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.31498	0.00000	1.31498	0.13484	0.00320	—	5.64059
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.01323	0.00000	1.01323	0.10389	0.00247	—	4.34621
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.48149	0.00000	0.48149	0.04937	0.00117	—	2.06533
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	10.9573	0.00000	10.9573	1.12354	0.02669	—	47.0009
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.96118	0.00000	3.96118	0.40617	0.00965	—	16.9914
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.21771	0.00000	0.21771	0.02232	0.00053	—	0.93386
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	16.6309	0.00000	16.6309	1.70530	0.04052	—	71.3377

4.4.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.11994	0.00000	6.11994	0.62753	0.01491	—	26.2513
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	66.1824	0.00000	66.1824	6.78625	0.16124	—	283.888
General Office Building	—	—	—	—	—	—	—	—	—	—	—	23.9257	0.00000	23.9257	2.45331	0.05829	—	102.629
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.31498	0.00000	1.31498	0.13484	0.00320	—	5.64059
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	—	—	—	—	—	—	—	—	—	—	—	6.11994	0.00000	6.11994	0.62753	0.01491	—	26.2513
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	66.1824	0.00000	66.1824	6.78625	0.16124	—	283.888
General Office Building	—	—	—	—	—	—	—	—	—	—	—	23.9257	0.00000	23.9257	2.45331	0.05829	—	102.629
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.31498	0.00000	1.31498	0.13484	0.00320	—	5.64059
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	100.451	0.00000	100.451	10.3001	0.24473	—	430.883
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.01323	0.00000	1.01323	0.10389	0.00247	—	4.34621
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.48149	0.00000	0.48149	0.04937	0.00117	—	2.06533
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	10.9573	0.00000	10.9573	1.12354	0.02669	—	47.0009

General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.96118	0.00000	3.96118	0.40617	0.00965	—	16.9914
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.21771	0.00000	0.21771	0.02232	0.00053	—	0.93386
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16.6309	0.00000	16.6309	1.70530	0.04052	—	71.3377

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	165.885	0.00000	165.885	16.5796	0.00000	—	580.376
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	264.188	0.00000	264.188	26.4046	0.00000	—	924.303

General Office Building	—	—	—	—	—	—	—	—	—	—	—	35.2102	0.00000	35.2102	3.51913	0.00000	—	123.189
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	11.2099	0.00000	11.2099	1.12039	0.00000	—	39.2197
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	165.885	0.00000	165.885	16.5796	0.00000	—	580.376
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	264.188	0.00000	264.188	26.4046	0.00000	—	924.303
General Office Building	—	—	—	—	—	—	—	—	—	—	—	35.2102	0.00000	35.2102	3.51913	0.00000	—	123.189
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	11.2099	0.00000	11.2099	1.12039	0.00000	—	39.2197
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	27.4642	0.00000	27.4642	2.74495	0.00000	—	96.0880
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	5.30903	0.00000	5.30903	0.53062	0.00000	—	18.5745
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	43.7393	0.00000	43.7393	4.37159	0.00000	—	153.029
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.82945	0.00000	5.82945	0.58263	0.00000	—	20.3953
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.85593	0.00000	1.85593	0.18549	0.00000	—	6.49327
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	84.1979	0.00000	84.1979	8.41528	0.00000	—	294.580

4.5.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	—	—	—	—	—	—	—	—	—	—	—	165.885	0.00000	165.885	16.5796	0.00000	—	580.376
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	264.188	0.00000	264.188	26.4046	0.00000	—	924.303
General Office Building	—	—	—	—	—	—	—	—	—	—	—	35.2102	0.00000	35.2102	3.51913	0.00000	—	123.189
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	11.2099	0.00000	11.2099	1.12039	0.00000	—	39.2197
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	165.885	0.00000	165.885	16.5796	0.00000	—	580.376
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	264.188	0.00000	264.188	26.4046	0.00000	—	924.303

General Office Building	—	—	—	—	—	—	—	—	—	—	—	35.2102	0.00000	35.2102	3.51913	0.00000	—	123.189
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	11.2099	0.00000	11.2099	1.12039	0.00000	—	39.2197
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	508.560	0.00000	508.560	50.8288	0.00000	—	1,779.28
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	27.4642	0.00000	27.4642	2.74495	0.00000	—	96.0880
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	5.30903	0.00000	5.30903	0.53062	0.00000	—	18.5745
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	43.7393	0.00000	43.7393	4.37159	0.00000	—	153.029
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.82945	0.00000	5.82945	0.58263	0.00000	—	20.3953
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.85593	0.00000	1.85593	0.18549	0.00000	—	6.49327
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	84.1979	0.00000	84.1979	8.41528	0.00000	—	294.580

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25923	0.25923
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.53563	0.53563
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17085	0.17085
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06181	0.06181
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25923	0.25923

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.53563	0.53563
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17085	0.17085
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06181	0.06181
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04292	0.04292
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29407	1.29407
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08868	0.08868
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02829	0.02829
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01023	0.01023
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.46419	1.46419

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25923	0.25923
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.53563	0.53563
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17085	0.17085
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06181	0.06181
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25923	0.25923
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.53563	0.53563

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17085	0.17085
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06181	0.06181
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.84379	8.84379
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04292	0.04292
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29407	1.29407
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08868	0.08868
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02829	0.02829
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01023	0.01023
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.46419	1.46419

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2030	2/26/2030	6.00000	49.0000	—
Grading	Grading	2/27/2030	4/24/2030	6.00000	49.0000	—
New Building Construction	Building Construction	4/25/2030	6/11/2031	6.00000	354.000	—
Renovation Building Construction	Building Construction	6/12/2031	2/6/2032	6.00000	206.000	—
Paving	Paving	2/7/2032	4/3/2032	6.00000	49.0000	—
Architectural Coating	Architectural Coating	4/4/2032	5/31/2032	6.00000	49.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000

Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
New Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
New Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
New Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
New Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
New Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Renovation Building Construction	Forklifts	Diesel	Average	2.00000	8.00000	82.0000	0.20000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

Grading	Tractors/Loaders/Back	Diesel	Average	3.00000	8.00000	84.0000	0.37000
New Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
New Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
New Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
New Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
New Building Construction	Welders	Diesel	Tier 4 Final	1.000000	8.00000	46.0000	0.45000
Renovation Building Construction	Forklifts	Diesel	Tier 4 Final	2.00000	8.00000	82.0000	0.20000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Demolition	Vendor	—	6.94000	HHDT,MHDT
Demolition	Hauling	26.8200	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Grading	Vendor	—	6.94000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT

New Building Construction	Worker	130.420	12.9500	LDA,LDT1,LDT2
New Building Construction	Vendor	53.6363	6.94000	HHDT,MHDT
New Building Construction	Hauling	0.00000	20.0000	HHDT
New Building Construction	Onsite truck	—	—	HHDT
Renovation Building Construction	Worker	130.420	12.9500	LDA,LDT1,LDT2
Renovation Building Construction	Vendor	53.6363	6.94000	HHDT,MHDT
Renovation Building Construction	Hauling	0.00000	20.0000	HHDT
Renovation Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Paving	Vendor	—	6.94000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	52.1680	12.9500	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	6.94000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Demolition	Vendor	—	6.94000	HHDT,MHDT
Demolition	Hauling	26.8200	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Grading	Vendor	—	6.94000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
New Building Construction	Worker	130.420	12.9500	LDA,LDT1,LDT2

New Building Construction	Vendor	53.6363	6.94000	HHDT,MHDT
New Building Construction	Hauling	0.00000	20.0000	HHDT
New Building Construction	Onsite truck	—	—	HHDT
Renovation Building Construction	Worker	130.420	12.9500	LDA,LDT1,LDT2
Renovation Building Construction	Vendor	53.6363	6.94000	HHDT,MHDT
Renovation Building Construction	Hauling	0.00000	20.0000	HHDT
Renovation Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	12.9500	LDA,LDT1,LDT2
Paving	Vendor	—	6.94000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	52.1680	12.9500	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	6.94000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	351,195	116,105	9,358.93

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	107,750	0.00000
Grading	—	—	49.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	3.58086

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Health Club	0.00000	0%
Paving	High Turnover (Sit Down Restaurant)	0.00000	0%
Paving	Movie Theater (No Matinee)	0.00000	0%
Paving	General Office Building	0.00000	0%
Paving	Day-Care Center	0.00000	0%
Paving	Enclosed Parking Structure	2.20386	100%
Paving	Parking Lot	1.37700	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00000	0.00000	0.00000	0.00000
2031	0.00000	0.00000	0.00000	0.00000
2032	0.00000	0.00000	0.00000	0.00000

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	4,832.11	4,832.11	4,832.11	1,763,720	48,505.4	48,505.4	48,505.4	17,704,477
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	4,832.11	4,832.11	4,832.11	1,763,720	48,505.4	48,505.4	48,505.4	17,704,477
Day-Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Enclosed Parking Structure	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Health Club	Wood Fireplaces	0	0
Health Club	Gas Fireplaces	0	0
Health Club	Propane Fireplaces	0	0
Health Club	Electric Fireplaces	0	0
Health Club	No Fireplaces	0	0
Health Club	Conventional Wood Stoves	0	0
Health Club	Catalytic Wood Stoves	0	0
Health Club	Non-Catalytic Wood Stoves	0	0
Health Club	Pellet Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Wood Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Gas Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Propane Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Electric Fireplaces	0	0
High Turnover (Sit Down Restaurant)	No Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Conventional Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Catalytic Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Non-Catalytic Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Pellet Wood Stoves	0	0
Movie Theater (No Matinee)	Wood Fireplaces	0	0
Movie Theater (No Matinee)	Gas Fireplaces	0	0
Movie Theater (No Matinee)	Propane Fireplaces	0	0
Movie Theater (No Matinee)	Electric Fireplaces	0	0
Movie Theater (No Matinee)	No Fireplaces	0	0
Movie Theater (No Matinee)	Conventional Wood Stoves	0	0

Movie Theater (No Matinee)	Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Non-Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Pellet Wood Stoves	0	0
General Office Building	Wood Fireplaces	0	0
General Office Building	Gas Fireplaces	0	0
General Office Building	Propane Fireplaces	0	0
General Office Building	Electric Fireplaces	0	0
General Office Building	No Fireplaces	0	0
General Office Building	Conventional Wood Stoves	0	0
General Office Building	Catalytic Wood Stoves	0	0
General Office Building	Non-Catalytic Wood Stoves	0	0
General Office Building	Pellet Wood Stoves	0	0
Day-Care Center	Wood Fireplaces	0	0
Day-Care Center	Gas Fireplaces	0	0
Day-Care Center	Propane Fireplaces	0	0
Day-Care Center	Electric Fireplaces	0	0
Day-Care Center	No Fireplaces	0	0
Day-Care Center	Conventional Wood Stoves	0	0
Day-Care Center	Catalytic Wood Stoves	0	0
Day-Care Center	Non-Catalytic Wood Stoves	0	0
Day-Care Center	Pellet Wood Stoves	0	0
Enclosed Parking Structure	Wood Fireplaces	0	0
Enclosed Parking Structure	Gas Fireplaces	0	0
Enclosed Parking Structure	Propane Fireplaces	0	0
Enclosed Parking Structure	Electric Fireplaces	0	0
Enclosed Parking Structure	No Fireplaces	0	0
Enclosed Parking Structure	Conventional Wood Stoves	0	0
Enclosed Parking Structure	Catalytic Wood Stoves	0	0

Enclosed Parking Structure	Non-Catalytic Wood Stoves	0	0
Enclosed Parking Structure	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	351,195	116,105	9,358.93

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Health Club	1,282,176	0.00000	0.0000	0.0000	0.00000
High Turnover (Sit Down Restaurant)	424,609	0.00000	0.0000	0.0000	0.00000
Movie Theater (No Matinee)	2,041,984	0.00000	0.0000	0.0000	0.00000
General Office Building	1,976,094	0.00000	0.0000	0.0000	0.00000
Day-Care Center	263,547	0.00000	0.0000	0.0000	0.00000
Enclosed Parking Structure	336,137	0.00000	0.0000	0.0000	0.00000
Parking Lot	52,544.3	0.00000	0.0000	0.0000	0.00000

5.11.2. Mitigated

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)
Health Club	1,282,176	0.00000	0.0000	0.0000	0.00000
High Turnover (Sit Down Restaurant)	424,609	0.00000	0.0000	0.0000	0.00000
Movie Theater (No Matinee)	2,041,984	0.00000	0.0000	0.0000	0.00000
General Office Building	1,976,094	0.00000	0.0000	0.0000	0.00000
Day-Care Center	263,547	0.00000	0.0000	0.0000	0.00000
Enclosed Parking Structure	336,137	0.00000	0.0000	0.0000	0.00000
Parking Lot	52,544.3	0.00000	0.0000	0.0000	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Health Club	3,193,730	0.00000
High Turnover (Sit Down Restaurant)	1,517,669	0.00000
Movie Theater (No Matinee)	34,537,726	0.00000
General Office Building	12,485,796	0.00000
Day-Care Center	686,233	0.00000
Enclosed Parking Structure	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Health Club	3,193,730	0.00000
High Turnover (Sit Down Restaurant)	1,517,669	0.00000
Movie Theater (No Matinee)	34,537,726	0.00000
General Office Building	12,485,796	0.00000
Day-Care Center	686,233	0.00000
Enclosed Parking Structure	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Health Club	307.800	0.00000
High Turnover (Sit Down Restaurant)	59.5000	0.00000
Movie Theater (No Matinee)	490.200	0.00000
General Office Building	65.3325	0.00000
Day-Care Center	20.8000	0.00000

Enclosed Parking Structure	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Health Club	307.800	0.00000
High Turnover (Sit Down Restaurant)	59.5000	0.00000
Movie Theater (No Matinee)	490.200	0.00000
General Office Building	65.3325	0.00000
Day-Care Center	20.8000	0.00000
Enclosed Parking Structure	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Health Club	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
General Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.00004	1.000000	0.00000	1.000000
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Health Club	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
General Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.00004	1.000000	0.00000	1.000000
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

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5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6600	annual days of extreme heat
Extreme Precipitation	4.40000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	8.55000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.6154

AQ-PM	15.7187
AQ-DPM	62.3895
Drinking Water	44.8982
Lead Risk Housing	58.0844
Pesticides	0.00000
Toxic Releases	27.9945
Traffic	54.5125
Effect Indicators	—
CleanUp Sites	44.0090
Groundwater	75.9754
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	4.98504
Cardio-vascular	4.58624
Low Birth Weights	23.0562
Socioeconomic Factor Indicators	—
Education	7.82080
Housing	0.39290
Linguistic	52.5105
Poverty	7.55025
Unemployment	7.76939

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	99.96150391
Employed	78.94264083
Median HI	99.55087899
Education	—
Bachelor's or higher	99.48671885
High school enrollment	17.07943026
Preschool enrollment	62.33799564
Transportation	—
Auto Access	86.34672142
Active commuting	75.7602977
Social	—
2-parent households	97.95970743
Voting	95.97074297
Neighborhood	—
Alcohol availability	34.41550109
Park access	31.29731811
Retail density	55.16489157
Supermarket access	94.25125112
Tree canopy	86.07724881
Housing	—
Homeownership	91.35121263
Housing habitability	96.48402412
Low-inc homeowner severe housing cost burden	97.03580136
Low-inc renter severe housing cost burden	76.13242654
Uncrowded housing	86.21840113
Health Outcomes	—
Insured adults	98.71679713
Arthritis	0.0

Asthma ER Admissions	97.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	98.2
Cognitively Disabled	76.7
Physically Disabled	67.1
Heart Attack ER Admissions	92.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	89.7
Children	82.0
Elderly	11.5
English Speaking	60.3
Foreign-born	56.3

Outdoor Workers	83.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.2
Traffic Density	43.2
Traffic Access	87.4
Other Indices	—
Hardship	1.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	4.00000
Healthy Places Index Score for Project Location (b)	99.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	proportionally exteneded default construction days to fit a 29 month schedule.
Construction: Off-Road Equipment	Renovation construction would require minimal heavy-duty construction equipment.
Construction: Trips and VMT	approxmately 48,000 square feet of tennis asphalt would be removed during demolition phase.
Operations: Vehicle Data	Phase I is projected to generate 4,832 ADT out of the total 8,185 ADT identified in the traffic report for total project buildout.
Operations: Energy Use	The proposed project would have all electric facilities.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	1/29/2030	2/26/2030
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	49.0000
Grading	Grading	Start Date	2/14/2030	2/27/2030
Grading	Grading	End Date	3/14/2030	4/24/2030
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	20.0000	49.0000
Paving	Paving	Start Date	2/1/2031	2/7/2032
Paving	Paving	End Date	3/1/2031	4/3/2032
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	20.0000	49.0000
Architectural Coating	Architectural Coating	Start Date	3/2/2031	4/4/2032
Architectural Coating	Architectural Coating	End Date	3/30/2031	5/31/2032
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	49.0000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Renovation Building Construction	Forklifts	Number per Day	3.00000	2.00000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	One-Way Trips per Day	25.3061	26.8200

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Health Club	Weekday Trip Rate	size/day	32.9300	0.00000
Health Club	Saturday Trip Rate	size/day	20.8700	0.00000
Health Club	Sunday Trip Rate	size/day	26.7300	0.00000
High Turnover (Sit Down Restaurant)	Weekday Trip Rate	size/day	112.180	0.00000
High Turnover (Sit Down Restaurant)	Saturday Trip Rate	size/day	122.400	0.00000
High Turnover (Sit Down Restaurant)	Sunday Trip Rate	size/day	142.640	0.00000
Movie Theater (No Matinee)	Weekday Trip Rate	size/day	78.0900	0.00000
Movie Theater (No Matinee)	Saturday Trip Rate	size/day	99.3200	0.00000
Movie Theater (No Matinee)	Sunday Trip Rate	size/day	81.9300	0.00000
General Office Building	Weekday Trip Rate	size/day	9.74000	68.7845
General Office Building	Saturday Trip Rate	size/day	2.21000	68.7845
General Office Building	Sunday Trip Rate	size/day	0.70000	68.7845
Day-Care Center	Weekday Trip Rate	size/day	47.6200	0.00000
Day-Care Center	Saturday Trip Rate	size/day	6.22000	0.00000

Day-Care Center	Sunday Trip Rate	size/day	5.84000	0.00000

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Health Club	Electricity	kWh/yr	589,148	1,282,176
Health Club	Electricity (Subject to Title 24)	kWh/yr	260,469	566,866
Health Club	Electricity (Not Subject to Title 24)	kWh/yr	328,678	715,310
Health Club	Natural Gas	kBTU/yr	2,364,612	0.00000
Health Club	Natural Gas (Subject to Title 24)	kBTU/yr	999,845	0.00000
Health Club	Natural Gas (Not Subject to Title 24)	kBTU/yr	1,364,766	0.00000
High Turnover (Sit Down Restaurant)	Electricity	kWh/yr	226,894	424,609
High Turnover (Sit Down Restaurant)	Electricity (Subject to Title 24)	kWh/yr	78,107.6	146,170
High Turnover (Sit Down Restaurant)	Electricity (Not Subject to Title 24)	kWh/yr	148,786	278,439
High Turnover (Sit Down Restaurant)	Natural Gas	kBTU/yr	674,605	0.00000
High Turnover (Sit Down Restaurant)	Natural Gas (Subject to Title 24)	kBTU/yr	117,184	0.00000
High Turnover (Sit Down Restaurant)	Natural Gas (Not Subject to Title 24)	kBTU/yr	557,421	0.00000
Movie Theater (No Matinee)	Electricity	kWh/yr	938,273	2,041,984
Movie Theater (No Matinee)	Electricity (Subject to Title 24)	kWh/yr	414,822	902,786
Movie Theater (No Matinee)	Electricity (Not Subject to Title 24)	kWh/yr	523,451	1,139,198
Movie Theater (No Matinee)	Natural Gas	kBTU/yr	3,765,863	0.00000
Movie Theater (No Matinee)	Natural Gas (Subject to Title 24)	kBTU/yr	1,592,346	0.00000
Movie Theater (No Matinee)	Natural Gas (Not Subject to Title 24)	kBTU/yr	2,173,517	0.00000
General Office Building	Electricity	kWh/yr	1,487,096	1,976,094
General Office Building	Electricity (Subject to Title 24)	kWh/yr	965,945	1,283,574
General Office Building	Electricity (Not Subject to Title 24)	kWh/yr	521,151	692,520
General Office Building	Natural Gas	kBTU/yr	1,668,458	0.00000
General Office Building	Natural Gas (Subject to Title 24)	kBTU/yr	1,313,131	0.00000
General Office Building	Natural Gas (Not Subject to Title 24)	kBTU/yr	355,327	0.00000

Day-Care Center	Electricity	kWh/yr	70,998.9	263,547
Day-Care Center	Electricity (Subject to Title 24)	kWh/yr	56,616.6	210,160
Day-Care Center	Electricity (Not Subject to Title 24)	kWh/yr	14,382.3	53,387.0
Day-Care Center	Natural Gas	kBTU/yr	656,974	0.00000
Day-Care Center	Natural Gas (Subject to Title 24)	kBTU/yr	650,782	0.00000
Day-Care Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	6,191.94	0.00000

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4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.4. Construction

8.4.1. Construction Phases

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cubberley Community Center Master Plan - Phase II
Construction Start Date	6/1/2032
Operational Year	2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	32.8000
Location	37.417523999226106, -122.10855885299551
County	Santa Clara
City	Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1727
EDFZ	1
Electric Utility	City of Palo Alto
Gas Utility	City of Palo Alto Ultilities
App Version	2022.1.1.37

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
Movie Theater (No Matinee)	39.0000	1000sqft	0.89532	39,000.0	0.00000	—	—	—

Enclosed Parking with Elevator	57.0000	1000sqft	1.30854	57,000.0	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-6	Use Diesel Particulate Filters

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.47988	1.22120	10.7802	14.1620	0.02726	0.41366	2.84487	3.25853	0.38057	1.35502	1.73559	—	3,017.62	3,017.62	0.12910	0.08973	1.07257	3,048.37
Mit.	1.44692	1.21906	9.51712	15.1492	0.02726	0.41366	2.84487	3.25853	0.38057	1.35502	1.73559	—	3,017.62	3,017.62	0.12910	0.08973	1.07257	3,048.37
% Reduced	2%	< 0.5%	12%	-7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.3819	24.3622	8.69011	12.5928	0.02603	0.20933	0.44417	0.65350	0.19282	0.10876	0.30157	—	2,836.47	2,836.47	0.11148	0.07249	0.02779	2,860.88
Mit.	24.3819	24.3622	5.08198	14.4192	0.02603	0.14740	0.44417	0.49048	0.13560	0.10876	0.16467	—	2,836.47	2,836.47	0.11148	0.07249	0.02779	2,860.88
% Reduced	—	—	42%	-15%	—	30%	—	25%	30%	—	45%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.09229	1.94409	6.09366	9.06553	0.01852	0.13732	0.33590	0.46199	0.12649	0.09642	0.21256	—	2,012.09	2,012.09	0.07847	0.04833	0.28058	2,028.73

Mit.	1.56561	1.53194	3.69393	10.3256	0.01852	0.03936	0.33590	0.37095	0.03850	0.09642	0.13034	—	2,012.09	2,012.09	0.07847	0.04833	0.28058	2,028.73
% Reduced	25%	21%	39%	-14%	—	71%	—	20%	70%	—	39%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.38184	0.35480	1.11209	1.65446	0.00338	0.02506	0.06130	0.08431	0.02309	0.01760	0.03879	—	333.124	333.124	0.01299	0.00800	0.04645	335.880
Mit.	0.28572	0.27958	0.67414	1.88442	0.00338	0.00718	0.06130	0.06770	0.00703	0.01760	0.02379	—	333.124	333.124	0.01299	0.00800	0.04645	335.880
% Reduced	25%	21%	39%	-14%	—	71%	—	20%	70%	—	39%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.47988	1.22120	10.7802	14.1620	0.02726	0.41366	2.84487	3.25853	0.38057	1.35502	1.73559	—	3,017.62	3,017.62	0.12910	0.08973	1.07257	3,048.37
2033	1.23927	1.03287	8.44001	12.6905	0.02603	0.18915	0.44417	0.63332	0.17425	0.10876	0.28301	—	2,842.59	2,842.59	0.10935	0.06957	0.92708	2,866.99
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.26784	1.05363	8.69011	12.5928	0.02603	0.20933	0.44417	0.65350	0.19282	0.10876	0.30157	—	2,836.47	2,836.47	0.11148	0.07249	0.02779	2,860.88
2033	24.3819	24.3622	8.47616	12.5412	0.02603	0.18915	0.44417	0.63332	0.17425	0.10876	0.28301	—	2,820.66	2,820.66	0.11113	0.06957	0.02404	2,844.19
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.66414	0.55180	4.60484	6.50927	0.01314	0.12609	0.33590	0.46199	0.11614	0.09642	0.21256	—	1,438.45	1,438.45	0.05758	0.03663	0.20889	1,451.02
2033	2.09229	1.94409	6.09366	9.06553	0.01852	0.13732	0.30762	0.44494	0.12649	0.07519	0.20168	—	2,012.09	2,012.09	0.07847	0.04833	0.28058	2,028.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.12120	0.10070	0.84038	1.18794	0.00240	0.02301	0.06130	0.08431	0.02120	0.01760	0.03879	—	238.152	238.152	0.00953	0.00606	0.03458	240.232
2033	0.38184	0.35480	1.11209	1.65446	0.00338	0.02506	0.05614	0.08120	0.02309	0.01372	0.03681	—	333.124	333.124	0.01299	0.00800	0.04645	335.880

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.44692	1.21906	9.51712	15.1492	0.02726	0.41366	2.84487	3.25853	0.38057	1.35502	1.73559	—	3,017.62	3,017.62	0.12910	0.08973	1.07257	3,048.37
2033	0.47121	0.43182	4.94040	14.5281	0.02603	0.04629	0.44417	0.49046	0.04593	0.10876	0.15469	—	2,842.59	2,842.59	0.10935	0.06957	0.92708	2,866.99
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.47562	0.43241	4.99212	14.4192	0.02603	0.04631	0.44417	0.49048	0.04595	0.10876	0.15471	—	2,836.47	2,836.47	0.11148	0.07249	0.02779	2,860.88
2033	24.3819	24.3622	5.08198	14.3789	0.02603	0.14740	0.44417	0.49046	0.13560	0.10876	0.16467	—	2,820.66	2,820.66	0.11113	0.06957	0.02404	2,844.19
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.25307	0.22725	2.44074	7.29445	0.01314	0.03505	0.33590	0.37095	0.03392	0.09642	0.13034	—	1,438.45	1,438.45	0.05758	0.03663	0.20889	1,451.02
2033	1.56561	1.53194	3.69393	10.3256	0.01852	0.03936	0.30762	0.34697	0.03850	0.07519	0.11369	—	2,012.09	2,012.09	0.07847	0.04833	0.28058	2,028.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.04619	0.04147	0.44544	1.33124	0.00240	0.00640	0.06130	0.06770	0.00619	0.01760	0.02379	—	238.152	238.152	0.00953	0.00606	0.03458	240.232
2033	0.28572	0.27958	0.67414	1.88442	0.00338	0.00718	0.05614	0.06332	0.00703	0.01372	0.02075	—	333.124	333.124	0.01299	0.00800	0.04645	335.880

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.25193	4.91587	2.33727	34.9872	0.08610	0.04839	9.07872	9.12710	0.04388	2.30168	2.34556	149.819	8,757.83	8,907.65	15.3288	0.37712	13.9958	9,417.25
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.40224	4.11549	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	149.819	8,214.16	8,363.98	15.3566	0.40596	0.59949	8,869.47
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.73040	4.41972	2.55338	29.5762	0.08149	0.04463	8.88720	8.93183	0.04104	2.25380	2.29484	149.819	8,295.37	8,445.19	15.3442	0.39424	6.18131	8,952.46
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.86330	0.80660	0.46599	5.39766	0.01487	0.00815	1.62191	1.63006	0.00749	0.41132	0.41881	24.8043	1,373.39	1,398.20	2.54041	0.06527	1.02339	1,482.18

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	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Area	1.70225	1.64495	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	5.25193	4.91587	2.33727	34.9872	0.08610	0.04839	9.07872	9.12710	0.04388	2.30168	2.34556	149.819	8,757.83	8,907.65	15.3288	0.37712	13.9958	9,417.25
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Area	0.95869	0.95869	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290

Total	4.40224	4.11549	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	149.819	8,214.16	8,363.98	15.3566	0.40596	0.59949	8,869.47
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.40502	3.12260	2.53605	27.5172	0.08137	0.04098	8.88720	8.92818	0.03828	2.25380	2.29208	—	8,286.90	8,286.90	0.29216	0.32105	5.93841	8,395.82
Area	1.32538	1.29712	0.01733	2.05905	0.00012	0.00366	—	0.00366	0.00276	—	0.00276	—	8.46704	8.46704	0.00036	0.00007	—	8.49757
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	4.73040	4.41972	2.55338	29.5762	0.08149	0.04463	8.88720	8.93183	0.04104	2.25380	2.29484	149.819	8,295.37	8,445.19	15.3442	0.39424	6.18131	8,952.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02
Area	0.24188	0.23672	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144
Waste	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022
Total	0.86330	0.80660	0.46599	5.39766	0.01487	0.00815	1.62191	1.63006	0.00749	0.41132	0.41881	24.8043	1,373.39	1,398.20	2.54041	0.06527	1.02339	1,482.18

2.6. Operations Emissions by Sector, Mitigated

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	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Area	1.70225	1.64495	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740

Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	5.25193	4.91587	2.33727	34.9872	0.08610	0.04839	9.07872	9.12710	0.04388	2.30168	2.34556	149.819	8,757.83	8,907.65	15.3288	0.37712	13.9958	9,417.25
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Area	0.95869	0.95869	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	4.40224	4.11549	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	149.819	8,214.16	8,363.98	15.3566	0.40596	0.59949	8,869.47
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.40502	3.12260	2.53605	27.5172	0.08137	0.04098	8.88720	8.92818	0.03828	2.25380	2.29208	—	8,286.90	8,286.90	0.29216	0.32105	5.93841	8,395.82
Area	1.32538	1.29712	0.01733	2.05905	0.00012	0.00366	—	0.00366	0.00276	—	0.00276	—	8.46704	8.46704	0.00036	0.00007	—	8.49757
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Waste	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	4.73040	4.41972	2.55338	29.5762	0.08149	0.04463	8.88720	8.93183	0.04104	2.25380	2.29484	149.819	8,295.37	8,445.19	15.3442	0.39424	6.18131	8,952.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02
Area	0.24188	0.23672	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144
Waste	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022

Total	0.86330	0.80660	0.46599	5.39766	0.01487	0.00815	1.62191	1.63006	0.00749	0.41132	0.41881	24.8043	1,373.39	1,398.20	2.54041	0.06527	1.02339	1,482.18

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41310	1.18509	10.2570	13.5710	0.02392	0.35320	—	0.35320	0.32495	—	0.32495	—	2,492.65	2,492.65	0.10111	0.02022	—	2,501.20
Demolition	—	—	—	—	—	—	0.66049	0.66049	—	0.10002	0.10002	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13550	0.11364	0.98355	1.30133	0.00229	0.03387	—	0.03387	0.03116	—	0.03116	—	239.021	239.021	0.00970	0.00194	—	239.841
Demolition	—	—	—	—	—	—	0.06333	0.06333	—	0.00959	0.00959	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02473	0.02074	0.17950	0.23749	0.00042	0.00618	—	0.00618	0.00569	—	0.00569	—	39.5726	39.5726	0.00161	0.00032	—	39.7085
Demolition	—	—	—	—	—	—	0.01156	0.01156	—	0.00175	0.00175	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02885	0.02830	0.01518	0.33700	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	95.4374	95.4374	0.00138	0.00083	0.19042	95.9086
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03793	0.00781	0.50805	0.25402	0.00335	0.00637	0.13402	0.14039	0.00637	0.03669	0.04307	—	429.540	429.540	0.02661	0.06869	0.58340	451.257
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00263	0.00258	0.00182	0.02728	0.00000	0.00000	0.00970	0.00970	0.00000	0.00227	0.00227	—	8.57362	8.57362	0.00016	0.00008	0.00787	8.60908
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00362	0.00072	0.05047	0.02443	0.00032	0.00061	0.01264	0.01326	0.00061	0.00347	0.00408	—	41.1980	41.1980	0.00254	0.00659	0.02412	43.2483
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00048	0.00047	0.00033	0.00498	0.00000	0.00000	0.00177	0.00177	0.00000	0.00041	0.00041	—	1.41946	1.41946	0.00003	0.00001	0.00130	1.42533
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00066	0.00013	0.00921	0.00446	0.00006	0.00011	0.00231	0.00242	0.00011	0.00063	0.00074	—	6.82080	6.82080	0.00042	0.00109	0.00399	7.16024

3.2. Demolition (2032) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24992	0.24992	2.26914	14.5582	0.02392	0.04658	—	0.04658	0.04658	—	0.04658	—	2,492.65	2,492.65	0.10111	0.02022	—	2,501.20
Demolition	—	—	—	—	—	—	0.66049	0.66049	—	0.10002	0.10002	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02396	0.02396	0.21759	1.39599	0.00229	0.00447	—	0.00447	0.00447	—	0.00447	—	239.021	239.021	0.00970	0.00194	—	239.841
Demolition	—	—	—	—	—	—	0.06333	0.06333	—	0.00959	0.00959	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00437	0.00437	0.03971	0.25477	0.00042	0.00082	—	0.00082	0.00082	—	0.00082	—	39.5726	39.5726	0.00161	0.00032	—	39.7085
Demolition	—	—	—	—	—	—	0.01156	0.01156	—	0.00175	0.00175	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02885	0.02830	0.01518	0.33700	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	95.4374	95.4374	0.00138	0.00083	0.19042	95.9086
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03793	0.00781	0.50805	0.25402	0.00335	0.00637	0.13402	0.14039	0.00637	0.03669	0.04307	—	429.540	429.540	0.02661	0.06869	0.58340	451.257
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00263	0.00258	0.00182	0.02728	0.00000	0.00000	0.00970	0.00970	0.00000	0.00227	0.00227	—	8.57362	8.57362	0.00016	0.00008	0.00787	8.60908
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00362	0.00072	0.05047	0.02443	0.00032	0.00061	0.01264	0.01326	0.00061	0.00347	0.00408	—	41.1980	41.1980	0.00254	0.00659	0.02412	43.2483
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00048	0.00047	0.00033	0.00498	0.00000	0.00000	0.00177	0.00177	0.00000	0.00041	0.00041	—	1.41946	1.41946	0.00003	0.00001	0.00130	1.42533
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00066	0.00013	0.00921	0.00446	0.00006	0.00011	0.00231	0.00242	0.00011	0.00063	0.00074	—	6.82080	6.82080	0.00042	0.00109	0.00399	7.16024

3.3. Grading (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42383	1.19642	9.50497	13.0282	0.02266	0.41366	—	0.41366	0.38057	—	0.38057	—	2,454.55	2,454.55	0.09957	0.01991	—	2,462.97
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04291	0.03606	0.28645	0.39263	0.00068	0.01247	—	0.01247	0.01147	—	0.01147	—	73.9727	73.9727	0.00300	0.00060	—	74.2266
Dust From Material Movement	—	—	—	—	—	—	0.08324	0.08324	—	0.04025	0.04025	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00783	0.00658	0.05228	0.07166	0.00012	0.00228	—	0.00228	0.00209	—	0.00209	—	12.2470	12.2470	0.00050	0.00010	—	12.2891
Dust From Material Movement	—	—	—	—	—	—	0.01519	0.01519	—	0.00735	0.00735	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02308	0.02264	0.01215	0.26960	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	76.3499	76.3499	0.00110	0.00066	0.15234	76.7269
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00066	0.00065	0.00046	0.00686	0.00000	0.00000	0.00244	0.00244	0.00000	0.00057	0.00057	—	2.15565	2.15565	0.00004	0.00002	0.00198	2.16457
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00008	0.00125	0.00000	0.00000	0.00045	0.00045	0.00000	0.00010	0.00010	—	0.35689	0.35689	0.00001	< 0.000005	0.00033	0.35837
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Grading (2032) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42383	1.19642	9.50497	13.0282	0.02266	0.41366	—	0.41366	0.38057	—	0.38057	—	2,454.55	2,454.55	0.09957	0.01991	—	2,462.97
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04291	0.03606	0.28645	0.39263	0.00068	0.01247	—	0.01247	0.01147	—	0.01147	—	73.9727	73.9727	0.00300	0.00060	—	74.2266
Dust From Material Movement	—	—	—	—	—	—	0.08324	0.08324	—	0.04025	0.04025	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00783	0.00658	0.05228	0.07166	0.00012	0.00228	—	0.00228	0.00209	—	0.00209	—	12.2470	12.2470	0.00050	0.00010	—	12.2891
Dust From Material Movement	—	—	—	—	—	—	0.01519	0.01519	—	0.00735	0.00735	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02308	0.02264	0.01215	0.26960	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	76.3499	76.3499	0.00110	0.00066	0.15234	76.7269
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00066	0.00065	0.00046	0.00686	0.00000	0.00000	0.00244	0.00244	0.00000	0.00057	0.00057	—	2.15565	2.15565	0.00004	0.00002	0.00198	2.16457

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00008	0.00125	0.00000	0.00000	0.00045	0.00045	0.00000	0.00010	0.00010	—	0.35689	0.35689	0.00001	< 0.000005	0.00033	0.35837
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14816	0.95674	8.21410	11.4575	0.02312	0.20641	—	0.20641	0.18990	—	0.18990	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14816	0.95674	8.21410	11.4575	0.02312	0.20641	—	0.20641	0.18990	—	0.18990	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.43410	0.36173	3.10561	4.33186	0.00874	0.07804	—	0.07804	0.07180	—	0.07180	—	832.177	832.177	0.03376	0.00675	—	835.032
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07922	0.06601	0.56677	0.79056	0.00160	0.01424	—	0.01424	0.01310	—	0.01310	—	137.776	137.776	0.00559	0.00112	—	138.249
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09307	0.09129	0.04898	1.08704	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	307.843	307.843	0.00444	0.00267	0.61422	309.363
Vendor	0.02997	0.00950	0.39087	0.20640	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	349.827	349.827	0.01686	0.05196	0.45834	366.191
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09040	0.08773	0.06293	0.92633	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	285.272	285.272	0.00533	0.00267	0.01591	286.215
Vendor	0.02928	0.00916	0.41307	0.20903	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	350.150	350.150	0.01686	0.05196	0.01188	366.068
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03351	0.03283	0.02312	0.34690	0.00000	0.00000	0.12336	0.12336	0.00000	0.02887	0.02887	—	109.040	109.040	0.00202	0.00101	0.10009	109.491
Vendor	0.01120	0.00359	0.15337	0.07798	0.00110	0.00110	0.04117	0.04227	0.00110	0.01139	0.01250	—	132.314	132.314	0.00637	0.01965	0.07483	138.403
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00612	0.00599	0.00422	0.06331	0.00000	0.00000	0.02251	0.02251	0.00000	0.00527	0.00527	—	18.0528	18.0528	0.00033	0.00017	0.01657	18.1275
Vendor	0.00204	0.00066	0.02799	0.01423	0.00020	0.00020	0.00751	0.00772	0.00020	0.00208	0.00228	—	21.9062	21.9062	0.00106	0.00325	0.01239	22.9142

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Building Construction (2032) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35594	0.33552	4.51612	13.2838	0.02312	0.04340	—	0.04340	0.04304	—	0.04304	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35594	0.33552	4.51612	13.2838	0.02312	0.04340	—	0.04340	0.04304	—	0.04304	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13457	0.12685	1.70746	5.02238	0.00874	0.01641	—	0.01641	0.01627	—	0.01627	—	832.177	832.177	0.03376	0.00675	—	835.032
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02456	0.02315	0.31161	0.91658	0.00160	0.00299	—	0.00299	0.00297	—	0.00297	—	137.776	137.776	0.00559	0.00112	—	138.249
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09307	0.09129	0.04898	1.08704	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	307.843	307.843	0.00444	0.00267	0.61422	309.363
Vendor	0.02997	0.00950	0.39087	0.20640	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	349.827	349.827	0.01686	0.05196	0.45834	366.191
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09040	0.08773	0.06293	0.92633	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	285.272	285.272	0.00533	0.00267	0.01591	286.215
Vendor	0.02928	0.00916	0.41307	0.20903	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	350.150	350.150	0.01686	0.05196	0.01188	366.068
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03351	0.03283	0.02312	0.34690	0.00000	0.00000	0.12336	0.12336	0.00000	0.02887	0.02887	—	109.040	109.040	0.00202	0.00101	0.10009	109.491
Vendor	0.01120	0.00359	0.15337	0.07798	0.00110	0.00110	0.04117	0.04227	0.00110	0.01139	0.01250	—	132.314	132.314	0.00637	0.01965	0.07483	138.403
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00612	0.00599	0.00422	0.06331	0.00000	0.00000	0.02251	0.02251	0.00000	0.00527	0.00527	—	18.0528	18.0528	0.00033	0.00017	0.01657	18.1275
Vendor	0.00204	0.00066	0.02799	0.01423	0.00020	0.00020	0.00751	0.00772	0.00020	0.00208	0.00228	—	21.9062	21.9062	0.00106	0.00325	0.01239	22.9142
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Building Construction (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12394	0.93652	8.01513	11.4462	0.02312	0.18624	—	0.18624	0.17134	—	0.17134	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12394	0.93652	8.01513	11.4462	0.02312	0.18624	—	0.18624	0.17134	—	0.17134	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77070	0.64218	5.49609	7.84882	0.01585	0.12771	—	0.12771	0.11749	—	0.11749	—	1,509.29	1,509.29	0.06122	0.01224	—	1,514.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14065	0.11720	1.00304	1.43241	0.00289	0.02331	—	0.02331	0.02144	—	0.02144	—	249.881	249.881	0.01014	0.00203	—	250.738
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08862	0.08685	0.04809	1.04695	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	303.937	303.937	0.00356	0.00267	0.53540	305.356
Vendor	0.02671	0.00950	0.37679	0.19731	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	337.606	337.606	0.01651	0.04905	0.39168	353.027
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08685	0.08418	0.06205	0.89219	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	281.669	281.669	0.00533	0.00267	0.01388	282.611
Vendor	0.02602	0.00916	0.39899	0.20286	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	337.936	337.936	0.01651	0.04905	0.01017	352.975
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05894	0.05711	0.04194	0.60045	0.00000	0.00000	0.22374	0.22374	0.00000	0.05237	0.05237	—	195.265	195.265	0.00305	0.00183	0.15807	196.045
Vendor	0.01808	0.00628	0.26674	0.13720	0.00200	0.00200	0.07467	0.07667	0.00200	0.02067	0.02266	—	231.596	231.596	0.01132	0.03363	0.11600	242.018
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01076	0.01042	0.00765	0.10958	0.00000	0.00000	0.04083	0.04083	0.00000	0.00956	0.00956	—	32.3284	32.3284	0.00050	0.00030	0.02617	32.4574
Vendor	0.00330	0.00115	0.04868	0.02504	0.00036	0.00036	0.01363	0.01399	0.00036	0.00377	0.00414	—	38.3434	38.3434	0.00187	0.00557	0.01921	40.0688
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Building Construction (2033) - Mitigated

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

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

Off-Road Equipm	0.35587	0.33547	4.51552	13.2838	0.02312	0.04338	—	0.04338	0.04302	—	0.04302	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35587	0.33547	4.51552	13.2838	0.02312	0.04338	—	0.04338	0.04302	—	0.04302	—	2,201.05	2,201.05	0.08928	0.01786	—	2,208.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24403	0.23003	3.09636	9.10891	0.01585	0.02974	—	0.02974	0.02950	—	0.02950	—	1,509.29	1,509.29	0.06122	0.01224	—	1,514.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04454	0.04198	0.56509	1.66238	0.00289	0.00543	—	0.00543	0.00538	—	0.00538	—	249.881	249.881	0.01014	0.00203	—	250.738
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08862	0.08685	0.04809	1.04695	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	303.937	303.937	0.00356	0.00267	0.53540	305.356
Vendor	0.02671	0.00950	0.37679	0.19731	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	337.606	337.606	0.01651	0.04905	0.39168	353.027
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08685	0.08418	0.06205	0.89219	0.00000	0.00000	0.33330	0.33330	0.00000	0.07813	0.07813	—	281.669	281.669	0.00533	0.00267	0.01388	282.611
Vendor	0.02602	0.00916	0.39899	0.20286	0.00291	0.00291	0.11087	0.11378	0.00291	0.03063	0.03354	—	337.936	337.936	0.01651	0.04905	0.01017	352.975
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05894	0.05711	0.04194	0.60045	0.00000	0.00000	0.22374	0.22374	0.00000	0.05237	0.05237	—	195.265	195.265	0.00305	0.00183	0.15807	196.045
Vendor	0.01808	0.00628	0.26674	0.13720	0.00200	0.00200	0.07467	0.07667	0.00200	0.02067	0.02266	—	231.596	231.596	0.01132	0.03363	0.11600	242.018
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01076	0.01042	0.00765	0.10958	0.00000	0.00000	0.04083	0.04083	0.00000	0.00956	0.00956	—	32.3284	32.3284	0.00050	0.00030	0.02617	32.4574
Vendor	0.00330	0.00115	0.04868	0.02504	0.00036	0.00036	0.01363	0.01399	0.00036	0.00377	0.00414	—	38.3434	38.3434	0.00187	0.00557	0.01921	40.0688
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63287	0.53087	5.05890	8.11385	0.01181	0.14740	—	0.14740	0.13560	—	0.13560	—	1,243.40	1,243.40	0.05044	0.01009	—	1,247.67
Paving	0.19047	0.19047	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03121	0.02618	0.24948	0.40014	0.00058	0.00727	—	0.00727	0.00669	—	0.00669	—	61.3183	61.3183	0.00249	0.00050	—	61.5287
Paving	0.00939	0.00939	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00570	0.00478	0.04553	0.07302	0.00011	0.00133	—	0.00133	0.00122	—	0.00122	—	10.1519	10.1519	0.00041	0.00008	—	10.1868
Paving	0.00171	0.00171	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03231	0.03132	0.02308	0.33192	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	104.788	104.788	0.00198	0.00099	0.00516	105.138
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00158	0.00153	0.00112	0.01607	0.00000	0.00000	0.00599	0.00599	0.00000	0.00140	0.00140	—	5.22435	5.22435	0.00008	0.00005	0.00423	5.24520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00029	0.00028	0.00020	0.00293	0.00000	0.00000	0.00109	0.00109	0.00000	0.00026	0.00026	—	0.86495	0.86495	0.00001	0.00001	0.00070	0.86840
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Paving (2033) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63287	0.53087	5.05890	8.11385	0.01181	0.14740	—	0.14740	0.13560	—	0.13560	—	1,243.40	1,243.40	0.05044	0.01009	—	1,247.67
Paving	0.19047	0.19047	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03121	0.02618	0.24948	0.40014	0.00058	0.00727	—	0.00727	0.00669	—	0.00669	—	61.3183	61.3183	0.00249	0.00050	—	61.5287
Paving	0.00939	0.00939	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00570	0.00478	0.04553	0.07302	0.00011	0.00133	—	0.00133	0.00122	—	0.00122	—	10.1519	10.1519	0.00041	0.00008	—	10.1868
Paving	0.00171	0.00171	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03231	0.03132	0.02308	0.33192	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	104.788	104.788	0.00198	0.00099	0.00516	105.138
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00158	0.00153	0.00112	0.01607	0.00000	0.00000	0.00599	0.00599	0.00000	0.00140	0.00140	—	5.22435	5.22435	0.00008	0.00005	0.00423	5.24520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00029	0.00028	0.00020	0.00293	0.00000	0.00000	0.00109	0.00109	0.00000	0.00026	0.00026	—	0.86495	0.86495	0.00001	0.00001	0.00070	0.86840
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11071	0.09150	0.76425	1.09943	0.00173	0.00705	—	0.00705	0.00649	—	0.00649	—	133.516	133.516	0.00542	0.00108	—	133.975
Architectural Coatings	24.2538	24.2538	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00546	0.00451	0.03769	0.05422	0.00009	0.00035	—	0.00035	0.00032	—	0.00032	—	6.58437	6.58437	0.00027	0.00005	—	6.60697
Architectural Coatings	1.19608	1.19608	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00100	0.00082	0.00688	0.00989	0.00002	0.00006	—	0.00006	0.00006	—	0.00006	—	1.09012	1.09012	0.00004	0.00001	—	1.09386
Architectural Coatings	0.21828	0.21828	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01737	0.01684	0.01241	0.17844	0.00000	0.00000	0.06666	0.06666	0.00000	0.01563	0.01563	—	56.3338	56.3338	0.00107	0.00053	0.00278	56.5222
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00085	0.00082	0.00060	0.00864	0.00000	0.00000	0.00322	0.00322	0.00000	0.00075	0.00075	—	2.80861	2.80861	0.00004	0.00003	0.00227	2.81982
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00015	0.00015	0.00011	0.00158	0.00000	0.00000	0.00059	0.00059	0.00000	0.00014	0.00014	—	0.46500	0.46500	0.00001	< 0.000005	0.00038	0.46685
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. Architectural Coating (2033) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11071	0.09150	0.76425	1.09943	0.00173	0.00705	—	0.00705	0.00649	—	0.00649	—	133.516	133.516	0.00542	0.00108	—	133.975
Architectural Coatings	24.2538	24.2538	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00546	0.00451	0.03769	0.05422	0.00009	0.00035	—	0.00035	0.00032	—	0.00032	—	6.58437	6.58437	0.00027	0.00005	—	6.60697
Architectural Coatings	1.19608	1.19608	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00100	0.00082	0.00688	0.00989	0.00002	0.00006	—	0.00006	0.00006	—	0.00006	—	1.09012	1.09012	0.00004	0.00001	—	1.09386
Architectural Coatings	0.21828	0.21828	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01737	0.01684	0.01241	0.17844	0.00000	0.00000	0.06666	0.06666	0.00000	0.01563	0.01563	—	56.3338	56.3338	0.00107	0.00053	0.00278	56.5222
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00085	0.00082	0.00060	0.00864	0.00000	0.00000	0.00322	0.00322	0.00000	0.00075	0.00075	—	2.80861	2.80861	0.00004	0.00003	0.00227	2.81982
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00015	0.00015	0.00011	0.00158	0.00000	0.00000	0.00059	0.00059	0.00000	0.00014	0.00014	—	0.46500	0.46500	0.00001	< 0.000005	0.00038	0.46685
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.54968	3.27093	2.30214	30.8119	0.08585	0.04097	9.07872	9.11969	0.03827	2.30168	2.33995	—	8,740.66	8,740.66	0.27640	0.30385	13.7529	8,851.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.44355	3.15680	2.69524	27.9603	0.08065	0.04099	9.07872	9.11970	0.03829	2.30168	2.33996	—	8,214.16	8,214.16	0.30491	0.33284	0.35659	8,321.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	0.62142	0.56988	0.46283	5.02189	0.01485	0.00748	1.62191	1.62939	0.00699	0.41132	0.41830	—	1,371.99	1,371.99	0.04837	0.05315	0.98317	1,390.02

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.3. Natural Gas 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.83908	0.83908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11961	0.11961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74356	0.68626	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Total	1.70225	1.64495	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.83908	0.83908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11961	0.11961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.95869	0.95869	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.15313	0.15313	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02183	0.02183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.06692	0.06176	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687
Total	0.24188	0.23672	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.83908	0.83908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11961	0.11961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.74356	0.68626	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Total	1.70225	1.64495	0.03513	4.17530	0.00025	0.00742	—	0.00742	0.00561	—	0.00561	—	17.1693	17.1693	0.00072	0.00015	—	17.2312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.83908	0.83908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11961	0.11961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.95869	0.95869	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	0.15313	0.15313	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02183	0.02183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06692	0.06176	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687
Total	0.24188	0.23672	0.00316	0.37578	0.00002	0.00067	—	0.00067	0.00050	—	0.00050	—	1.40182	1.40182	0.00006	0.00001	—	1.40687

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144

4.4.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	30.0130	0.00000	30.0130	3.07749	0.07312	—	128.740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4.96899	0.00000	4.96899	0.50951	0.01211	—	21.3144

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969

4.5.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	119.806	0.00000	119.806	11.9742	0.00000	—	419.161
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	19.8353	0.00000	19.8353	1.98246	0.00000	—	69.3969

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24290	0.24290
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04022	0.04022

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2032	7/10/2032	6.00000	35.0000	—
Grading	Grading	7/11/2032	7/23/2032	6.00000	11.0000	—
Building Construction	Building Construction	7/24/2032	10/19/2033	6.00000	388.000	—
Paving	Paving	10/20/2033	11/9/2033	6.00000	18.0000	—
Architectural Coating	Architectural Coating	11/10/2033	11/30/2033	6.00000	18.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	8.00000	84.0000	0.37000

Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	7.22857	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	40.3200	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	15.7344	8.40000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	8.06400	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	7.22857	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	40.3200	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	15.7344	8.40000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	8.06400	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	61,065.0	19,785.0	3,420.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	22,000.0	0.00000
Grading	—	—	11.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	1.30854

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Movie Theater (No Matinee)	0.00000	0%
Paving	Enclosed Parking with Elevator	1.30854	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2032	0.00000	0.00000	0.00000	0.00000
2033	0.00000	0.00000	0.00000	0.00000

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Movie Theater (No Matinee)	1,281.99	1,281.99	1,281.99	467,926	12,868.8	12,868.8	12,868.8	4,697,106
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Movie Theater (No Matinee)	1,281.99	1,281.99	1,281.99	467,926	12,868.8	12,868.8	12,868.8	4,697,106

Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Movie Theater (No Matinee)	Wood Fireplaces	0	0
Movie Theater (No Matinee)	Gas Fireplaces	0	0
Movie Theater (No Matinee)	Propane Fireplaces	0	0
Movie Theater (No Matinee)	Electric Fireplaces	0	0
Movie Theater (No Matinee)	No Fireplaces	0	0
Movie Theater (No Matinee)	Conventional Wood Stoves	0	0
Movie Theater (No Matinee)	Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Non-Catalytic Wood Stoves	0	0
Movie Theater (No Matinee)	Pellet Wood Stoves	0	0
Enclosed Parking with Elevator	Wood Fireplaces	0	0
Enclosed Parking with Elevator	Gas Fireplaces	0	0
Enclosed Parking with Elevator	Propane Fireplaces	0	0
Enclosed Parking with Elevator	Electric Fireplaces	0	0
Enclosed Parking with Elevator	No Fireplaces	0	0
Enclosed Parking with Elevator	Conventional Wood Stoves	0	0
Enclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

0.00000	0.00000	61,065.0	19,785.0	3,420.00

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Movie Theater (No Matinee)	926,016	0.00000	0.0000	0.0000	0.00000
Enclosed Parking with Elevator	210,412	0.00000	0.0000	0.0000	0.00000

5.11.2. Mitigated

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)
Movie Theater (No Matinee)	926,016	0.00000	0.0000	0.0000	0.00000
Enclosed Parking with Elevator	210,412	0.00000	0.0000	0.0000	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Movie Theater (No Matinee)	15,662,457	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Movie Theater (No Matinee)	15,662,457	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Movie Theater (No Matinee)	222.300	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Movie Theater (No Matinee)	222.300	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6600	annual days of extreme heat
Extreme Precipitation	4.40000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	8.55000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.6154

AQ-PM	15.7187
AQ-DPM	62.3895
Drinking Water	44.8982
Lead Risk Housing	58.0844
Pesticides	0.00000
Toxic Releases	27.9945
Traffic	54.5125
Effect Indicators	—
CleanUp Sites	44.0090
Groundwater	75.9754
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	4.98504
Cardio-vascular	4.58624
Low Birth Weights	23.0562
Socioeconomic Factor Indicators	—
Education	7.82080
Housing	0.39290
Linguistic	52.5105
Poverty	7.55025
Unemployment	7.76939

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	99.96150391
Employed	78.94264083
Median HI	99.55087899
Education	—
Bachelor's or higher	99.48671885
High school enrollment	17.07943026
Preschool enrollment	62.33799564
Transportation	—
Auto Access	86.34672142
Active commuting	75.7602977
Social	—
2-parent households	97.95970743
Voting	95.97074297
Neighborhood	—
Alcohol availability	34.41550109
Park access	31.29731811
Retail density	55.16489157
Supermarket access	94.25125112
Tree canopy	86.07724881
Housing	—
Homeownership	91.35121263
Housing habitability	96.48402412
Low-inc homeowner severe housing cost burden	97.03580136
Low-inc renter severe housing cost burden	76.13242654
Uncrowded housing	86.21840113
Health Outcomes	—
Insured adults	98.71679713
Arthritis	0.0

Asthma ER Admissions	97.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	98.2
Cognitively Disabled	76.7
Physically Disabled	67.1
Heart Attack ER Admissions	92.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	89.7
Children	82.0
Elderly	11.5
English Speaking	60.3
Foreign-born	56.3

Outdoor Workers	83.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.2
Traffic Density	43.2
Traffic Access	87.4
Other Indices	—
Hardship	1.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	4.00000
Healthy Places Index Score for Project Location (b)	99.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	CalEEMod defaults were adjusted to reflect a six-day workweek over an approximately 18-month construction period. Site preparation activities were excluded, as no vegetation clearing or stone removal would occur
Operations: Vehicle Data	Phase II is projected to generate 1,282 ADT out of the total 8,185 ADT for full project buildout, per the traffic report
Operations: Energy Use	The project would install all-electric facilities.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	6/29/2032	7/10/2032
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	35.0000
Grading	Grading	Start Date	7/5/2032	7/11/2032
Grading	Grading	End Date	7/13/2032	7/23/2032
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	6.00000	11.0000
Building Construction	Building Construction	Start Date	7/14/2032	7/24/2032
Building Construction	Building Construction	End Date	5/18/2033	10/19/2033
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	220.000	388.000
Paving	Paving	Start Date	5/19/2033	10/20/2033
Paving	Paving	End Date	6/2/2033	11/9/2033
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	18.0000
Architectural Coating	Architectural Coating	Start Date	6/3/2033	11/10/2033

Architectural Coating	Architectural Coating	End Date	6/17/2033	11/30/2033
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	18.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Movie Theater (No Matinee)	Weekday Trip Rate	size/day	78.0900	32.8715
Movie Theater (No Matinee)	Saturday Trip Rate	size/day	99.3200	32.8715
Movie Theater (No Matinee)	Sunday Trip Rate	size/day	81.9300	32.8715

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Movie Theater (No Matinee)	Electricity	kWh/yr	425,496	926,016
Movie Theater (No Matinee)	Electricity (Subject to Title 24)	kWh/yr	188,117	409,403
Movie Theater (No Matinee)	Electricity (Not Subject to Title 24)	kWh/yr	237,379	516,613
Movie Theater (No Matinee)	Natural Gas	kBTU/yr	1,707,775	0.00000
Movie Theater (No Matinee)	Natural Gas (Subject to Title 24)	kBTU/yr	722,110	0.00000
Movie Theater (No Matinee)	Natural Gas (Not Subject to Title 24)	kBTU/yr	985,665	0.00000

Cubberley Community Center Master Plan - Phase III Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cubberley Community Center Master Plan - Phase III
Construction Start Date	12/1/2033
Operational Year	2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	32.8000
Location	37.417956648643155, -122.10866215223521
County	Santa Clara
City	Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1727
EDFZ	1
Electric Utility	City of Palo Alto
Gas Utility	City of Palo Alto Ultilities
App Version	2022.1.1.37

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
Health Club	32.0000	1000sqft	0.73462	32,000.0	0.00000	—	—	—

High Turnover (Sit Down Restaurant)	5.00000	1000sqft	0.11478	5,000.00	0.00000	—	—	—
General Office Building	26.0000	1000sqft	0.59688	26,000.0	0.00000	—	—	—
Enclosed Parking with Elevator	58.0000	1000sqft	1.33150	58,000.0	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-6	Use Diesel Particulate Filters

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.3210	38.3016	8.38522	12.8674	0.02679	0.17849	0.53835	0.71683	0.16450	0.13204	0.29654	—	2,971.03	2,971.03	0.11435	0.08287	0.97173	2,999.56
Mit.	38.3210	38.3016	5.03020	14.7179	0.02679	0.12501	0.53835	0.58538	0.11501	0.13204	0.17872	—	2,971.03	2,971.03	0.11435	0.08287	0.97173	2,999.56
% Reduced	—	—	40%	-14%	—	30%	—	18%	30%	—	40%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.45618	1.19216	10.6659	13.7664	0.02903	0.36459	2.84487	3.20947	0.33543	1.35502	1.69045	—	3,218.95	3,218.95	0.14296	0.12117	0.02521	3,258.66
Mit.	1.45618	1.19216	10.6659	14.5465	0.02903	0.36459	2.84487	3.20947	0.33543	1.35502	1.69045	—	3,218.95	3,218.95	0.14296	0.12117	0.02521	3,258.66
% Reduced	—	—	—	-6%	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.24442	2.18666	7.25797	10.8908	0.02288	0.16183	0.53422	0.69605	0.14913	0.14923	0.29837	—	2,519.34	2,519.34	0.09896	0.07002	0.34631	2,543.03
Mit.	2.05486	2.03880	4.56346	12.3770	0.02288	0.05625	0.53422	0.59047	0.05450	0.14923	0.20374	—	2,519.34	2,519.34	0.09896	0.07002	0.34631	2,543.03
% Reduced	8%	7%	37%	-14%	—	65%	—	15%	63%	—	32%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40961	0.39907	1.32458	1.98758	0.00418	0.02953	0.09750	0.12703	0.02722	0.02724	0.05445	—	417.106	417.106	0.01638	0.01159	0.05734	421.028
Mit.	0.37501	0.37208	0.83283	2.25881	0.00418	0.01027	0.09750	0.10776	0.00995	0.02724	0.03718	—	417.106	417.106	0.01638	0.01159	0.05734	421.028
% Reduced	8%	7%	37%	-14%	—	65%	—	15%	63%	—	32%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	1.24285	1.03486	8.38522	12.8674	0.02679	0.17849	0.53835	0.71683	0.16450	0.13204	0.29654	—	2,971.03	2,971.03	0.11435	0.08287	0.97173	2,999.56
2035	38.3210	38.3016	8.18517	12.7266	0.02679	0.16858	0.53835	0.70692	0.15538	0.13204	0.28742	—	2,953.16	2,953.16	0.11024	0.07920	0.82729	2,980.34
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.45618	1.19216	10.6659	13.7664	0.02903	0.33731	1.06626	1.40357	0.31111	0.19510	0.50621	—	3,218.95	3,218.95	0.14296	0.12117	0.02451	3,258.66
2034	1.42809	1.16893	10.4228	13.6389	0.02903	0.36459	2.84487	3.20947	0.33543	1.35502	1.69045	—	3,201.49	3,201.49	0.13809	0.12117	0.02521	3,241.07
2035	1.21793	1.01640	8.21417	12.5633	0.02679	0.16858	0.53835	0.70692	0.15538	0.13204	0.28742	—	2,927.54	2,927.54	0.11130	0.07920	0.02145	2,953.95
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.10604	0.08682	0.77538	1.00166	0.00211	0.02456	0.07722	0.10178	0.02265	0.01410	0.03675	—	234.390	234.390	0.01039	0.00882	0.02970	237.308
2034	1.06879	0.88879	7.25797	10.8908	0.02288	0.16183	0.53422	0.69605	0.14913	0.14923	0.29837	—	2,519.34	2,519.34	0.09896	0.07002	0.34631	2,543.03

2035	2.24442	2.18666	2.40075	3.71732	0.00759	0.04998	0.14609	0.19607	0.04606	0.03571	0.08177	—	833.402	833.402	0.03164	0.02109	0.09733	840.575
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.01935	0.01584	0.14151	0.18280	0.00039	0.00448	0.01409	0.01857	0.00413	0.00257	0.00671	—	38.8059	38.8059	0.00172	0.00146	0.00492	39.2890
2034	0.19505	0.16220	1.32458	1.98758	0.00418	0.02953	0.09750	0.12703	0.02722	0.02724	0.05445	—	417.106	417.106	0.01638	0.01159	0.05734	421.028
2035	0.40961	0.39907	0.43814	0.67841	0.00138	0.00912	0.02666	0.03578	0.00841	0.00652	0.01492	—	137.979	137.979	0.00524	0.00349	0.01611	139.167

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.49186	0.44808	5.03020	14.7179	0.02679	0.04703	0.53835	0.58538	0.04668	0.13204	0.17872	—	2,971.03	2,971.03	0.11435	0.08287	0.97173	2,999.56
2035	38.3210	38.3016	5.01530	14.6669	0.02679	0.12501	0.53835	0.58537	0.11501	0.13204	0.17871	—	2,953.16	2,953.16	0.11024	0.07920	0.82729	2,980.34
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.45618	1.19216	10.6659	13.7664	0.02903	0.33731	1.06626	1.40357	0.31111	0.19510	0.50621	—	3,218.95	3,218.95	0.14296	0.12117	0.02451	3,258.66
2034	1.42809	1.16893	10.4228	14.5465	0.02903	0.36459	2.84487	3.20947	0.33543	1.35502	1.69045	—	3,201.49	3,201.49	0.13809	0.12117	0.02521	3,241.07
2035	0.48410	0.44400	5.04429	14.5037	0.02679	0.04702	0.53835	0.58537	0.04667	0.13204	0.17871	—	2,927.54	2,927.54	0.11130	0.07920	0.02145	2,953.95
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.10604	0.08682	0.77538	1.00166	0.00211	0.02456	0.07722	0.10178	0.02265	0.01410	0.03675	—	234.390	234.390	0.01039	0.00882	0.02970	237.308
2034	0.46564	0.41753	4.56346	12.3770	0.02288	0.05625	0.53422	0.59047	0.05450	0.14923	0.20374	—	2,519.34	2,519.34	0.09896	0.07002	0.34631	2,543.03
2035	2.05486	2.03880	1.58192	4.21856	0.00759	0.01859	0.14609	0.16467	0.01798	0.03571	0.05369	—	833.402	833.402	0.03164	0.02109	0.09733	840.575
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.01935	0.01584	0.14151	0.18280	0.00039	0.00448	0.01409	0.01857	0.00413	0.00257	0.00671	—	38.8059	38.8059	0.00172	0.00146	0.00492	39.2890
2034	0.08498	0.07620	0.83283	2.25881	0.00418	0.01027	0.09750	0.10776	0.00995	0.02724	0.03718	—	417.106	417.106	0.01638	0.01159	0.05734	421.028
2035	0.37501	0.37208	0.28870	0.76989	0.00138	0.00339	0.02666	0.03005	0.00328	0.00652	0.00980	—	137.979	137.979	0.00524	0.00349	0.01611	139.167

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.90465	7.41271	3.49530	53.0893	0.13563	0.06934	14.6630	14.7323	0.06313	3.71716	3.78030	158.791	13,794.8	13,953.6	16.3265	0.50745	24.1202	14,537.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.81755	6.38744	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	158.791	12,939.2	13,098.0	16.3671	0.55244	8.45024	13,680.3
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.21387	6.75459	3.81811	45.1585	0.12815	0.06451	14.3291	14.3937	0.05947	3.63362	3.69308	158.791	13,043.0	13,201.8	16.3483	0.53330	14.9676	13,784.4
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.31653	1.23271	0.69681	8.24143	0.02339	0.01177	2.61507	2.62684	0.01085	0.66313	0.67399	26.2896	2,159.42	2,185.71	2.70664	0.08829	2.47805	2,282.16

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	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6
Area	2.47834	2.40611	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312

Total	7.90465	7.41271	3.49530	53.0893	0.13563	0.06934	14.6630	14.7323	0.06313	3.71716	3.78030	158.791	13,794.8	13,953.6	16.3265	0.50745	24.1202	14,537.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Area	1.54110	1.54110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Total	6.81755	6.38744	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	158.791	12,939.2	13,098.0	16.3671	0.55244	8.45024	13,680.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.21057	4.78690	3.79627	42.5633	0.12799	0.05990	14.3291	14.3890	0.05598	3.63362	3.68960	—	13,032.3	13,032.3	0.43735	0.49572	6.93445	13,197.9
Area	2.00330	1.96768	0.02184	2.59526	0.00015	0.00461	—	0.00461	0.00348	—	0.00348	—	10.6720	10.6720	0.00045	0.00009	—	10.7105
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Total	7.21387	6.75459	3.81811	45.1585	0.12815	0.06451	14.3291	14.3937	0.05947	3.63362	3.69308	158.791	13,043.0	13,201.8	16.3483	0.53330	14.9676	13,784.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06
Area	0.36560	0.35910	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	2.54798	0.00000	2.54798	0.26127	0.00621	—	10.9295
Waste	—	—	—	—	—	—	—	—	—	—	—	23.7416	0.00000	23.7416	2.37289	0.00000	—	83.0639
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.32998	1.32998
Total	1.31653	1.23271	0.69681	8.24143	0.02339	0.01177	2.61507	2.62684	0.01085	0.66313	0.67399	26.2896	2,159.42	2,185.71	2.70664	0.08829	2.47805	2,282.16

2.6. Operations Emissions by Sector, Mitigated

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	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6
Area	2.47834	2.40611	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Total	7.90465	7.41271	3.49530	53.0893	0.13563	0.06934	14.6630	14.7323	0.06313	3.71716	3.78030	158.791	13,794.8	13,953.6	16.3265	0.50745	24.1202	14,537.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Area	1.54110	1.54110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Total	6.81755	6.38744	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	158.791	12,939.2	13,098.0	16.3671	0.55244	8.45024	13,680.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.21057	4.78690	3.79627	42.5633	0.12799	0.05990	14.3291	14.3890	0.05598	3.63362	3.68960	—	13,032.3	13,032.3	0.43735	0.49572	6.93445	13,197.9
Area	2.00330	1.96768	0.02184	2.59526	0.00015	0.00461	—	0.00461	0.00348	—	0.00348	—	10.6720	10.6720	0.00045	0.00009	—	10.7105
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Waste	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Total	7.21387	6.75459	3.81811	45.1585	0.12815	0.06451	14.3291	14.3937	0.05947	3.63362	3.69308	158.791	13,043.0	13,201.8	16.3483	0.53330	14.9676	13,784.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06
Area	0.36560	0.35910	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Water	—	—	—	—	—	—	—	—	—	—	—	2.54798	0.00000	2.54798	0.26127	0.00621	—	10.9295
Waste	—	—	—	—	—	—	—	—	—	—	—	23.7416	0.00000	23.7416	2.37289	0.00000	—	83.0639
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.32998	1.32998
Total	1.31653	1.23271	0.69681	8.24143	0.02339	0.01177	2.61507	2.62684	0.01085	0.66313	0.67399	26.2896	2,159.42	2,185.71	2.70664	0.08829	2.47805	2,282.16

3. Construction Emissions Details

3.1. Demolition (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37737	1.15510	9.85349	13.1127	0.02392	0.32757	—	0.32757	0.30136	—	0.30136	—	2,492.72	2,492.72	0.10112	0.02022	—	2,501.28
Demolition	—	—	—	—	—	—	0.75806	0.75806	—	0.11479	0.11479	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10027	0.08409	0.71732	0.95458	0.00174	0.02385	—	0.02385	0.02194	—	0.02194	—	181.466	181.466	0.00736	0.00147	—	182.089
Demolition	—	—	—	—	—	—	0.05519	0.05519	—	0.00836	0.00836	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01830	0.01535	0.13091	0.17421	0.00032	0.00435	—	0.00435	0.00400	—	0.00400	—	30.0438	30.0438	0.00122	0.00024	—	30.1469
Demolition	—	—	—	—	—	—	0.01007	0.01007	—	0.00153	0.00153	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02692	0.02610	0.01924	0.27660	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	87.3229	87.3229	0.00165	0.00083	0.00430	87.6150
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05189	0.01096	0.79320	0.37711	0.00512	0.00974	0.20487	0.21461	0.00974	0.05609	0.06583	—	638.908	638.908	0.04020	0.10012	0.02021	669.770
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00194	0.00188	0.00138	0.01976	0.00000	0.00000	0.00736	0.00736	0.00000	0.00172	0.00172	—	6.42678	6.42678	0.00010	0.00006	0.00520	6.45243
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00383	0.00085	0.05668	0.02731	0.00037	0.00071	0.01467	0.01538	0.00071	0.00402	0.00473	—	46.4966	46.4966	0.00293	0.00729	0.02450	48.7663

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00034	0.00025	0.00361	0.00000	0.00000	0.00134	0.00134	0.00000	0.00031	0.00031	—	1.06403	1.06403	0.00002	0.00001	0.00086	1.06827
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00070	0.00016	0.01034	0.00498	0.00007	0.00013	0.00268	0.00281	0.00013	0.00073	0.00086	—	7.69804	7.69804	0.00048	0.00121	0.00406	8.07382

3.2. Demolition (2033) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37737	1.15510	9.85349	13.1127	0.02392	0.32757	—	0.32757	0.30136	—	0.30136	—	2,492.72	2,492.72	0.10112	0.02022	—	2,501.28
Demolition	—	—	—	—	—	—	0.75806	0.75806	—	0.11479	0.11479	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10027	0.08409	0.71732	0.95458	0.00174	0.02385	—	0.02385	0.02194	—	0.02194	—	181.466	181.466	0.00736	0.00147	—	182.089
Demolition	—	—	—	—	—	—	0.05519	0.05519	—	0.00836	0.00836	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01830	0.01535	0.13091	0.17421	0.00032	0.00435	—	0.00435	0.00400	—	0.00400	—	30.0438	30.0438	0.00122	0.00024	—	30.1469
Demoliti on	—	—	—	—	—	—	0.01007	0.01007	—	0.00153	0.00153	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02692	0.02610	0.01924	0.27660	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	87.3229	87.3229	0.00165	0.00083	0.00430	87.6150
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05189	0.01096	0.79320	0.37711	0.00512	0.00974	0.20487	0.21461	0.00974	0.05609	0.06583	—	638.908	638.908	0.04020	0.10012	0.02021	669.770
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00194	0.00188	0.00138	0.01976	0.00000	0.00000	0.00736	0.00736	0.00000	0.00172	0.00172	—	6.42678	6.42678	0.00010	0.00006	0.00520	6.45243
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00383	0.00085	0.05668	0.02731	0.00037	0.00071	0.01467	0.01538	0.00071	0.00402	0.00473	—	46.4966	46.4966	0.00293	0.00729	0.02450	48.7663
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00034	0.00025	0.00361	0.00000	0.00000	0.00134	0.00134	0.00000	0.00031	0.00031	—	1.06403	1.06403	0.00002	0.00001	0.00086	1.06827
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00070	0.00016	0.01034	0.00498	0.00007	0.00013	0.00268	0.00281	0.00013	0.00073	0.00086	—	7.69804	7.69804	0.00048	0.00121	0.00406	8.07382

3.3. Demolition (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35035	1.13242	9.63088	13.0131	0.02392	0.30921	—	0.30921	0.28448	—	0.28448	—	2,492.61	2,492.61	0.10111	0.02022	—	2,501.16
Demolition	—	—	—	—	—	—	0.75806	0.75806	—	0.11479	0.11479	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03171	0.02659	0.22617	0.30559	0.00056	0.00726	—	0.00726	0.00668	—	0.00668	—	58.5348	58.5348	0.00237	0.00047	—	58.7357
Demolition	—	—	—	—	—	—	0.01780	0.01780	—	0.00270	0.00270	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00579	0.00485	0.04128	0.05577	0.00010	0.00133	—	0.00133	0.00122	—	0.00122	—	9.69110	9.69110	0.00039	0.00008	—	9.72436
Demolition	—	—	—	—	—	—	0.00325	0.00325	—	0.00049	0.00049	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02610	0.02555	0.01924	0.26307	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	86.3047	86.3047	0.00165	0.00083	0.00372	86.5961
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05165	0.01096	0.77273	0.36274	0.00512	0.00974	0.20487	0.21461	0.00974	0.05609	0.06583	—	622.574	622.574	0.03532	0.10012	0.01756	653.312
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00059	0.00058	0.00036	0.00614	0.00000	0.00000	0.00238	0.00238	0.00000	0.00056	0.00056	—	2.04896	2.04896	0.00003	0.00002	0.00145	2.05701
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00123	0.00027	0.01780	0.00848	0.00012	0.00023	0.00473	0.00496	0.00023	0.00130	0.00153	—	14.6153	14.6153	0.00083	0.00235	0.00686	15.3435
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00011	0.00007	0.00112	0.00000	0.00000	0.00043	0.00043	0.00000	0.00010	0.00010	—	0.33923	0.33923	0.00001	< 0.000005	0.00024	0.34056
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00022	0.00005	0.00325	0.00155	0.00002	0.00004	0.00086	0.00091	0.00004	0.00024	0.00028	—	2.41972	2.41972	0.00014	0.00039	0.00114	2.54030

3.4. Demolition (2034) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35035	1.13242	9.63088	13.0131	0.02392	0.30921	—	0.30921	0.28448	—	0.28448	—	2,492.61	2,492.61	0.10111	0.02022	—	2,501.16

Demolition	—	—	—	—	—	—	0.75806	0.75806	—	0.11479	0.11479	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03171	0.02659	0.22617	0.30559	0.00056	0.00726	—	0.00726	0.00668	—	0.00668	—	58.5348	58.5348	0.00237	0.00047	—	58.7357
Demolition	—	—	—	—	—	—	0.01780	0.01780	—	0.00270	0.00270	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00579	0.00485	0.04128	0.05577	0.00010	0.00133	—	0.00133	0.00122	—	0.00122	—	9.69110	9.69110	0.00039	0.00008	—	9.72436
Demolition	—	—	—	—	—	—	0.00325	0.00325	—	0.00049	0.00049	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02610	0.02555	0.01924	0.26307	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	86.3047	86.3047	0.00165	0.00083	0.00372	86.5961
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05165	0.01096	0.77273	0.36274	0.00512	0.00974	0.20487	0.21461	0.00974	0.05609	0.06583	—	622.574	622.574	0.03532	0.10012	0.01756	653.312
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00059	0.00058	0.00036	0.00614	0.00000	0.00000	0.00238	0.00238	0.00000	0.00056	0.00056	—	2.04896	2.04896	0.00003	0.00002	0.00145	2.05701
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00123	0.00027	0.01780	0.00848	0.00012	0.00023	0.00473	0.00496	0.00023	0.00130	0.00153	—	14.6153	14.6153	0.00083	0.00235	0.00686	15.3435
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00011	0.00007	0.00112	0.00000	0.00000	0.00043	0.00043	0.00000	0.00010	0.00010	—	0.33923	0.33923	0.00001	< 0.000005	0.00024	0.34056
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00022	0.00005	0.00325	0.00155	0.00002	0.00004	0.00086	0.00091	0.00004	0.00024	0.00028	—	2.41972	2.41972	0.00014	0.00039	0.00114	2.54030

3.5. Grading (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35201	1.13606	8.78576	12.4629	0.02267	0.36459	—	0.36459	0.33543	—	0.33543	—	2,454.55	2,454.55	0.09957	0.01991	—	2,462.97
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04075	0.03424	0.26478	0.37559	0.00068	0.01099	—	0.01099	0.01011	—	0.01011	—	73.9727	73.9727	0.00300	0.00060	—	74.2266
Dust From Material Movement	—	—	—	—	—	—	0.08324	0.08324	—	0.04025	0.04025	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00744	0.00625	0.04832	0.06855	0.00012	0.00201	—	0.00201	0.00184	—	0.00184	—	12.2470	12.2470	0.00050	0.00010	—	12.2891
Dust From Material Movement	—	—	—	—	—	—	0.01519	0.01519	—	0.00735	0.00735	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02088	0.02044	0.01539	0.21045	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	69.0438	69.0438	0.00132	0.00066	0.00297	69.2769
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00061	0.00060	0.00037	0.00630	0.00000	0.00000	0.00244	0.00244	0.00000	0.00057	0.00057	—	2.10360	2.10360	0.00003	0.00002	0.00149	2.11186
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00011	0.00007	0.00115	0.00000	0.00000	0.00045	0.00045	0.00000	0.00010	0.00010	—	0.34828	0.34828	0.00001	< 0.000005	0.00025	0.34964
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Grading (2034) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35201	1.13606	8.78576	12.4629	0.02267	0.36459	—	0.36459	0.33543	—	0.33543	—	2,454.55	2,454.55	0.09957	0.01991	—	2,462.97
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04075	0.03424	0.26478	0.37559	0.00068	0.01099	—	0.01099	0.01011	—	0.01011	—	73.9727	73.9727	0.00300	0.00060	—	74.2266

Dust From Material Movement	—	—	—	—	—	—	0.08324	0.08324	—	0.04025	0.04025	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00744	0.00625	0.04832	0.06855	0.00012	0.00201	—	0.00201	0.00184	—	0.00184	—	12.2470	12.2470	0.00050	0.00010	—	12.2891
Dust From Material Movement	—	—	—	—	—	—	0.01519	0.01519	—	0.00735	0.00735	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02088	0.02044	0.01539	0.21045	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	69.0438	69.0438	0.00132	0.00066	0.00297	69.2769
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00061	0.00060	0.00037	0.00630	0.00000	0.00000	0.00244	0.00244	0.00000	0.00057	0.00057	—	2.10360	2.10360	0.00003	0.00002	0.00149	2.11186
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00011	0.00007	0.00115	0.00000	0.00000	0.00045	0.00045	0.00000	0.00010	0.00010	—	0.34828	0.34828	0.00001	< 0.000005	0.00025	0.34964

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Building Construction (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10682	0.92221	7.87011	11.4333	0.02312	0.17481	—	0.17481	0.16083	—	0.16083	—	2,201.06	2,201.06	0.08928	0.01786	—	2,208.61
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10682	0.92221	7.87011	11.4333	0.02312	0.17481	—	0.17481	0.16083	—	0.16083	—	2,201.06	2,201.06	0.08928	0.01786	—	2,208.61
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88892	0.74065	6.32073	9.18246	0.01857	0.14040	—	0.14040	0.12917	—	0.12917	—	1,767.74	1,767.74	0.07171	0.01434	—	1,773.81
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.16223	0.13517	1.15353	1.67580	0.00339	0.02562	—	0.02562	0.02357	—	0.02357	—	292.669	292.669	0.01187	0.00237	—	293.674
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10280	0.10067	0.05751	1.19276	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	359.246	359.246	0.00425	0.00319	0.55315	360.856
Vendor	0.03323	0.01198	0.45759	0.24134	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	410.727	410.727	0.02081	0.06182	0.41857	430.089
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10067	0.09855	0.07420	1.01481	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	332.929	332.929	0.00638	0.00319	0.01434	334.053
Vendor	0.03279	0.01111	0.48557	0.24790	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	411.145	411.145	0.02081	0.06182	0.01087	430.100
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07829	0.07658	0.04790	0.80998	0.00000	0.00000	0.31339	0.31339	0.00000	0.07335	0.07335	—	270.319	270.319	0.00427	0.00256	0.19141	271.381
Vendor	0.02669	0.00927	0.37987	0.19629	0.00295	0.00295	0.11024	0.11319	0.00295	0.03051	0.03346	—	330.010	330.010	0.01671	0.04965	0.14510	345.369
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01429	0.01398	0.00874	0.14782	0.00000	0.00000	0.05719	0.05719	0.00000	0.01339	0.01339	—	44.7544	44.7544	0.00071	0.00042	0.03169	44.9302
Vendor	0.00487	0.00169	0.06933	0.03582	0.00054	0.00054	0.02012	0.02066	0.00054	0.00557	0.00611	—	54.6369	54.6369	0.00277	0.00822	0.02402	57.1797
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Building Construction (2034) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35583	0.33543	4.51510	13.2838	0.02312	0.04336	—	0.04336	0.04300	—	0.04300	—	2,201.06	2,201.06	0.08928	0.01786	—	2,208.61
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35583	0.33543	4.51510	13.2838	0.02312	0.04336	—	0.04336	0.04300	—	0.04300	—	2,201.06	2,201.06	0.08928	0.01786	—	2,208.61
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28578	0.26939	3.62622	10.6686	0.01857	0.03482	—	0.03482	0.03454	—	0.03454	—	1,767.74	1,767.74	0.07171	0.01434	—	1,773.81
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05215	0.04916	0.66178	1.94703	0.00339	0.00636	—	0.00636	0.00630	—	0.00630	—	292.669	292.669	0.01187	0.00237	—	293.674
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10280	0.10067	0.05751	1.19276	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	359.246	359.246	0.00425	0.00319	0.55315	360.856
Vendor	0.03323	0.01198	0.45759	0.24134	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	410.727	410.727	0.02081	0.06182	0.41857	430.089
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10067	0.09855	0.07420	1.01481	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	332.929	332.929	0.00638	0.00319	0.01434	334.053
Vendor	0.03279	0.01111	0.48557	0.24790	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	411.145	411.145	0.02081	0.06182	0.01087	430.100
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07829	0.07658	0.04790	0.80998	0.00000	0.00000	0.31339	0.31339	0.00000	0.07335	0.07335	—	270.319	270.319	0.00427	0.00256	0.19141	271.381
Vendor	0.02669	0.00927	0.37987	0.19629	0.00295	0.00295	0.11024	0.11319	0.00295	0.03051	0.03346	—	330.010	330.010	0.01671	0.04965	0.14510	345.369
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01429	0.01398	0.00874	0.14782	0.00000	0.00000	0.05719	0.05719	0.00000	0.01339	0.01339	—	44.7544	44.7544	0.00071	0.00042	0.03169	44.9302
Vendor	0.00487	0.00169	0.06933	0.03582	0.00054	0.00054	0.02012	0.02066	0.00054	0.00557	0.00611	—	54.6369	54.6369	0.00277	0.00822	0.02402	57.1797
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Building Construction (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08963	0.90781	7.68477	11.3434	0.02312	0.16490	—	0.16490	0.15171	—	0.15171	—	2,201.04	2,201.04	0.08928	0.01786	—	2,208.59

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08963	0.90781	7.68477	11.3434	0.02312	0.16490	—	0.16490	0.15171	—	0.15171	—	2,201.04	2,201.04	0.08928	0.01786	—	2,208.59
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28147	0.23450	1.98511	2.93020	0.00597	0.04260	—	0.04260	0.03919	—	0.03919	—	568.567	568.567	0.02306	0.00461	—	570.518
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05137	0.04280	0.36228	0.53476	0.00109	0.00777	—	0.00777	0.00715	—	0.00715	—	94.1327	94.1327	0.00382	0.00076	—	94.4557
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10174	0.09961	0.05645	1.14588	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	355.448	355.448	0.00425	0.00319	0.47489	356.980
Vendor	0.02956	0.01198	0.44395	0.23723	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	396.668	396.668	0.01670	0.05815	0.35240	414.766
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09961	0.09748	0.06070	0.97611	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	329.409	329.409	0.00532	0.00319	0.01231	330.504
Vendor	0.02868	0.01111	0.46870	0.24379	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	397.092	397.092	0.01670	0.05815	0.00914	414.848
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02546	0.02491	0.01513	0.24814	0.00000	0.00000	0.10080	0.10080	0.00000	0.02359	0.02359	—	86.0272	86.0272	0.00137	0.00082	0.05284	86.3598
Vendor	0.00741	0.00287	0.11866	0.06207	0.00095	0.00095	0.03546	0.03640	0.00095	0.00981	0.01076	—	102.512	102.512	0.00431	0.01502	0.03934	107.136
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00465	0.00455	0.00276	0.04528	0.00000	0.00000	0.01840	0.01840	0.00000	0.00431	0.00431	—	14.2428	14.2428	0.00023	0.00014	0.00875	14.2979
Vendor	0.00135	0.00052	0.02165	0.01133	0.00017	0.00017	0.00647	0.00664	0.00017	0.00179	0.00196	—	16.9721	16.9721	0.00071	0.00249	0.00651	17.7376
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Building Construction (2035) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35581	0.33541	4.51490	13.2838	0.02312	0.04335	—	0.04335	0.04299	—	0.04299	—	2,201.04	2,201.04	0.08928	0.01786	—	2,208.59
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.35581	0.33541	4.51490	13.2838	0.02312	0.04335	—	0.04335	0.04299	—	0.04299	—	2,201.04	2,201.04	0.08928	0.01786	—	2,208.59
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09191	0.08664	1.16627	3.43144	0.00597	0.01120	—	0.01120	0.01111	—	0.01111	—	568.567	568.567	0.02306	0.00461	—	570.518
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01677	0.01581	0.21285	0.62624	0.00109	0.00204	—	0.00204	0.00203	—	0.00203	—	94.1327	94.1327	0.00382	0.00076	—	94.4557
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10174	0.09961	0.05645	1.14588	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	355.448	355.448	0.00425	0.00319	0.47489	356.980
Vendor	0.02956	0.01198	0.44395	0.23723	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	396.668	396.668	0.01670	0.05815	0.35240	414.766
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09961	0.09748	0.06070	0.97611	0.00000	0.00000	0.39861	0.39861	0.00000	0.09343	0.09343	—	329.409	329.409	0.00532	0.00319	0.01231	330.504
Vendor	0.02868	0.01111	0.46870	0.24379	0.00367	0.00367	0.13974	0.14341	0.00367	0.03861	0.04228	—	397.092	397.092	0.01670	0.05815	0.00914	414.848
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02546	0.02491	0.01513	0.24814	0.00000	0.00000	0.10080	0.10080	0.00000	0.02359	0.02359	—	86.0272	86.0272	0.00137	0.00082	0.05284	86.3598
Vendor	0.00741	0.00287	0.11866	0.06207	0.00095	0.00095	0.03546	0.03640	0.00095	0.00981	0.01076	—	102.512	102.512	0.00431	0.01502	0.03934	107.136
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00465	0.00455	0.00276	0.04528	0.00000	0.00000	0.01840	0.01840	0.00000	0.00431	0.00431	—	14.2428	14.2428	0.00023	0.00014	0.00875	14.2979
Vendor	0.00135	0.00052	0.02165	0.01133	0.00017	0.00017	0.00647	0.00664	0.00017	0.00179	0.00196	—	16.9721	16.9721	0.00071	0.00249	0.00651	17.7376
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Paving (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59304	0.49740	4.93016	8.08131	0.01181	0.12501	—	0.12501	0.11501	—	0.11501	—	1,243.39	1,243.39	0.05044	0.01009	—	1,247.65
Paving	0.19381	0.19381	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02925	0.02453	0.24313	0.39853	0.00058	0.00616	—	0.00616	0.00567	—	0.00567	—	61.3176	61.3176	0.00249	0.00050	—	61.5281

Paving	0.00956	0.00956	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00534	0.00448	0.04437	0.07273	0.00011	0.00113	—	0.00113	0.00104	—	0.00104	—	10.1518	10.1518	0.00041	0.00008	—	10.1867
Paving	0.00174	0.00174	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03165	0.03099	0.01756	0.35645	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	110.571	110.571	0.00132	0.00099	0.14773	111.047
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00151	0.00148	0.00090	0.01474	0.00000	0.00000	0.00599	0.00599	0.00000	0.00140	0.00140	—	5.10889	5.10889	0.00008	0.00005	0.00314	5.12864
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00028	0.00027	0.00016	0.00269	0.00000	0.00000	0.00109	0.00109	0.00000	0.00026	0.00026	—	0.84583	0.84583	0.00001	0.00001	0.00052	0.84911
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. Paving (2035) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59304	0.49740	4.93016	8.08131	0.01181	0.12501	—	0.12501	0.11501	—	0.11501	—	1,243.39	1,243.39	0.05044	0.01009	—	1,247.65
Paving	0.19381	0.19381	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02925	0.02453	0.24313	0.39853	0.00058	0.00616	—	0.00616	0.00567	—	0.00567	—	61.3176	61.3176	0.00249	0.00050	—	61.5281
Paving	0.00956	0.00956	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00534	0.00448	0.04437	0.07273	0.00011	0.00113	—	0.00113	0.00104	—	0.00104	—	10.1518	10.1518	0.00041	0.00008	—	10.1867
Paving	0.00174	0.00174	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03165	0.03099	0.01756	0.35645	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	110.571	110.571	0.00132	0.00099	0.14773	111.047
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00151	0.00148	0.00090	0.01474	0.00000	0.00000	0.00599	0.00599	0.00000	0.00140	0.00140	—	5.10889	5.10889	0.00008	0.00005	0.00314	5.12864
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00028	0.00027	0.00016	0.00269	0.00000	0.00000	0.00109	0.00109	0.00000	0.00026	0.00026	—	0.84583	0.84583	0.00001	0.00001	0.00052	0.84911
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10881	0.08993	0.75540	1.09844	0.00173	0.00555	—	0.00555	0.00511	—	0.00511	—	133.527	133.527	0.00542	0.00108	—	133.985

Architectural Coating	38.1918	38.1918	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00537	0.00443	0.03725	0.05417	0.00009	0.00027	—	0.00027	0.00025	—	0.00025	—	6.58489	6.58489	0.00027	0.00005	—	6.60749
Architectural Coatings	1.88343	1.88343	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00098	0.00081	0.00680	0.00989	0.00002	0.00005	—	0.00005	0.00005	—	0.00005	—	1.09020	1.09020	0.00004	0.00001	—	1.09395
Architectural Coatings	0.34373	0.34373	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02035	0.01992	0.01129	0.22918	0.00000	0.00000	0.07972	0.07972	0.00000	0.01869	0.01869	—	71.0897	71.0897	0.00085	0.00064	0.09498	71.3960
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00097	0.00095	0.00058	0.00947	0.00000	0.00000	0.00385	0.00385	0.00000	0.00090	0.00090	—	3.28467	3.28467	0.00005	0.00003	0.00202	3.29738
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00017	0.00011	0.00173	0.00000	0.00000	0.00070	0.00070	0.00000	0.00016	0.00016	—	0.54382	0.54382	0.00001	0.00001	0.00033	0.54592
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.14. Architectural Coating (2035) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10881	0.08993	0.75540	1.09844	0.00173	0.00555	—	0.00555	0.00511	—	0.00511	—	133.527	133.527	0.00542	0.00108	—	133.985
Architectural Coatings	38.1918	38.1918	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00537	0.00443	0.03725	0.05417	0.00009	0.00027	—	0.00027	0.00025	—	0.00025	—	6.58489	6.58489	0.00027	0.00005	—	6.60749
Architectural Coatings	1.88343	1.88343	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00098	0.00081	0.00680	0.00989	0.00002	0.00005	—	0.00005	0.00005	—	0.00005	—	1.09020	1.09020	0.00004	0.00001	—	1.09395
Architectural Coatings	0.34373	0.34373	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02035	0.01992	0.01129	0.22918	0.00000	0.00000	0.07972	0.07972	0.00000	0.01869	0.01869	—	71.0897	71.0897	0.00085	0.00064	0.09498	71.3960
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00097	0.00095	0.00058	0.00947	0.00000	0.00000	0.00385	0.00385	0.00000	0.00090	0.00090	—	3.28467	3.28467	0.00005	0.00003	0.00202	3.29738
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00017	0.00011	0.00173	0.00000	0.00000	0.00070	0.00070	0.00000	0.00016	0.00016	—	0.54382	0.54382	0.00001	0.00001	0.00033	0.54592
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6

Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06

Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	5.42631	5.00660	3.45102	47.8267	0.13532	0.05999	14.6630	14.7230	0.05607	3.71716	3.77323	—	13,773.2	13,773.2	0.41512	0.46977	16.0871	13,939.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	5.27645	4.84634	4.04303	43.2457	0.12707	0.06002	14.6630	14.7230	0.05609	3.71716	3.77325	—	12,939.2	12,939.2	0.45664	0.51495	0.41712	13,104.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.95093	0.87361	0.69282	7.76779	0.02336	0.01093	2.61507	2.62600	0.01022	0.66313	0.67335	—	2,157.65	2,157.65	0.07241	0.08207	1.14808	2,185.06

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.3. Natural Gas 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Enclose Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
General Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.35276	1.35276	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.18834	0.18834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.93724	0.86501	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Total	2.47834	2.40611	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.35276	1.35276	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18834	0.18834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.54110	1.54110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.24688	0.24688	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03437	0.03437	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08435	0.07785	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324
Total	0.36560	0.35910	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.35276	1.35276	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18834	0.18834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.93724	0.86501	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Total	2.47834	2.40611	0.04428	5.26262	0.00031	0.00935	—	0.00935	0.00707	—	0.00707	—	21.6404	21.6404	0.00091	0.00019	—	21.7185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.35276	1.35276	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18834	0.18834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.54110	1.54110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.24688	0.24688	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03437	0.03437	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.08435	0.07785	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324
Total	0.36560	0.35910	0.00399	0.47364	0.00003	0.00084	—	0.00084	0.00064	—	0.00064	—	1.76687	1.76687	0.00007	0.00002	—	1.77324

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	3.62663	0.00000	3.62663	0.37187	0.00884	—	15.5563
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
General Office Building	—	—	—	—	—	—	—	—	—	—	—	8.85507	0.00000	8.85507	0.90799	0.02157	—	37.9836
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	3.62663	0.00000	3.62663	0.37187	0.00884	—	15.5563

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
General Office Building	—	—	—	—	—	—	—	—	—	—	—	8.85507	0.00000	8.85507	0.90799	0.02157	—	37.9836
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.60043	0.00000	0.60043	0.06157	0.00146	—	2.57553
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.48149	0.00000	0.48149	0.04937	0.00117	—	2.06533
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.46606	0.00000	1.46606	0.15033	0.00357	—	6.28862
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.54798	0.00000	2.54798	0.26127	0.00621	—	10.9295

4.4.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	3.62663	0.00000	3.62663	0.37187	0.00884	—	15.5563
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
General Office Building	—	—	—	—	—	—	—	—	—	—	—	8.85507	0.00000	8.85507	0.90799	0.02157	—	37.9836
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	3.62663	0.00000	3.62663	0.37187	0.00884	—	15.5563
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.90821	0.00000	2.90821	0.29820	0.00709	—	12.4747
General Office Building	—	—	—	—	—	—	—	—	—	—	—	8.85507	0.00000	8.85507	0.90799	0.02157	—	37.9836
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	15.3899	0.00000	15.3899	1.57806	0.03749	—	66.0147

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.60043	0.00000	0.60043	0.06157	0.00146	—	2.57553
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.48149	0.00000	0.48149	0.04937	0.00117	—	2.06533
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.46606	0.00000	1.46606	0.15033	0.00357	—	6.28862
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.54798	0.00000	2.54798	0.26127	0.00621	—	10.9295

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	98.3024	0.00000	98.3024	9.82498	0.00000	—	343.927
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191

General Office Building	—	—	—	—	—	—	—	—	—	—	—	13.0315	0.00000	13.0315	1.30246	0.00000	—	45.5929
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	98.3024	0.00000	98.3024	9.82498	0.00000	—	343.927
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
General Office Building	—	—	—	—	—	—	—	—	—	—	—	13.0315	0.00000	13.0315	1.30246	0.00000	—	45.5929
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	16.2751	0.00000	16.2751	1.62664	0.00000	—	56.9410
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	5.30903	0.00000	5.30903	0.53062	0.00000	—	18.5745

General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.15752	0.00000	2.15752	0.21564	0.00000	—	7.54843
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	23.7416	0.00000	23.7416	2.37289	0.00000	—	83.0639

4.5.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	98.3024	0.00000	98.3024	9.82498	0.00000	—	343.927
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
General Office Building	—	—	—	—	—	—	—	—	—	—	—	13.0315	0.00000	13.0315	1.30246	0.00000	—	45.5929
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Health Club	—	—	—	—	—	—	—	—	—	—	—	98.3024	0.00000	98.3024	9.82498	0.00000	—	343.927
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	32.0669	0.00000	32.0669	3.20497	0.00000	—	112.191
General Office Building	—	—	—	—	—	—	—	—	—	—	—	13.0315	0.00000	13.0315	1.30246	0.00000	—	45.5929
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	143.401	0.00000	143.401	14.3324	0.00000	—	501.711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	16.2751	0.00000	16.2751	1.62664	0.00000	—	56.9410
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	5.30903	0.00000	5.30903	0.53062	0.00000	—	18.5745
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.15752	0.00000	2.15752	0.21564	0.00000	—	7.54843
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	23.7416	0.00000	23.7416	2.37289	0.00000	—	83.0639

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15362	0.15362
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06323	0.06323
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15362	0.15362
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06323	0.06323
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02543	0.02543

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29407	1.29407
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01047	0.01047
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.32998	1.32998

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15362	0.15362
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06323	0.06323
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15362	0.15362

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.81627	7.81627
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06323	0.06323
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.03312	8.03312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02543	0.02543
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29407	1.29407
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01047	0.01047
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.32998	1.32998

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/1/2033	1/10/2034	6.00000	35.0000	—
Grading	Grading	1/11/2034	1/23/2034	6.00000	11.0000	—
Building Construction	Building Construction	1/24/2034	4/20/2035	6.00000	388.000	—
Paving	Paving	4/21/2035	5/11/2035	6.00000	18.0000	—
Architectural Coating	Architectural Coating	5/12/2035	6/1/2035	6.00000	18.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

Grading	Tractors/Loaders/Back	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000

Building Construction	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	11.0500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	48.2200	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	19.8319	8.40000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT

Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	9.64400	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	11.0500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	48.2200	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	19.8319	8.40000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	9.64400	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT

Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	97,110.0	31,790.0	3,480.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	25,250.0	0.00000
Grading	—	—	11.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	1.33150

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Health Club	0.00000	0%
Paving	High Turnover (Sit Down Restaurant)	0.00000	0%

Paving	General Office Building	0.00000	0%
Paving	Enclosed Parking with Elevator	1.33150	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00000	0.00000	0.00000	0.00000
2034	0.00000	0.00000	0.00000	0.00000
2035	0.00000	0.00000	0.00000	0.00000

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	2,070.90	2,070.90	2,046.20	754,592	20,788.0	20,788.0	20,540.1	7,574,703
Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Health Club	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
High Turnover (Sit Down Restaurant)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
General Office Building	2,070.90	2,070.90	2,046.20	754,592	20,788.0	20,788.0	20,540.1	7,574,703

Enclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Health Club	Wood Fireplaces	0	0
Health Club	Gas Fireplaces	0	0
Health Club	Propane Fireplaces	0	0
Health Club	Electric Fireplaces	0	0
Health Club	No Fireplaces	0	0
Health Club	Conventional Wood Stoves	0	0
Health Club	Catalytic Wood Stoves	0	0
Health Club	Non-Catalytic Wood Stoves	0	0
Health Club	Pellet Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Wood Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Gas Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Propane Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Electric Fireplaces	0	0
High Turnover (Sit Down Restaurant)	No Fireplaces	0	0
High Turnover (Sit Down Restaurant)	Conventional Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Catalytic Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Non-Catalytic Wood Stoves	0	0
High Turnover (Sit Down Restaurant)	Pellet Wood Stoves	0	0
General Office Building	Wood Fireplaces	0	0
General Office Building	Gas Fireplaces	0	0
General Office Building	Propane Fireplaces	0	0
General Office Building	Electric Fireplaces	0	0

General Office Building	No Fireplaces	0	0
General Office Building	Conventional Wood Stoves	0	0
General Office Building	Catalytic Wood Stoves	0	0
General Office Building	Non-Catalytic Wood Stoves	0	0
General Office Building	Pellet Wood Stoves	0	0
Enclosed Parking with Elevator	Wood Fireplaces	0	0
Enclosed Parking with Elevator	Gas Fireplaces	0	0
Enclosed Parking with Elevator	Propane Fireplaces	0	0
Enclosed Parking with Elevator	Electric Fireplaces	0	0
Enclosed Parking with Elevator	No Fireplaces	0	0
Enclosed Parking with Elevator	Conventional Wood Stoves	0	0
Enclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	97,110.0	31,790.0	3,480.00

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value

Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Health Club	759,808	0.00000	0.0000	0.0000	0.00000
High Turnover (Sit Down Restaurant)	424,609	0.00000	0.0000	0.0000	0.00000
General Office Building	731,366	0.00000	0.0000	0.0000	0.00000
Enclosed Parking with Elevator	214,103	0.00000	0.0000	0.0000	0.00000

5.11.2. Mitigated

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)
Health Club	759,808	0.00000	0.0000	0.0000	0.00000
High Turnover (Sit Down Restaurant)	424,609	0.00000	0.0000	0.0000	0.00000
General Office Building	731,366	0.00000	0.0000	0.0000	0.00000
Enclosed Parking with Elevator	214,103	0.00000	0.0000	0.0000	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Health Club	1,892,581	0.00000
High Turnover (Sit Down Restaurant)	1,517,669	0.00000
General Office Building	4,621,077	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Health Club	1,892,581	0.00000
High Turnover (Sit Down Restaurant)	1,517,669	0.00000
General Office Building	4,621,077	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Health Club	182.400	0.00000
High Turnover (Sit Down Restaurant)	59.5000	0.00000
General Office Building	24.1800	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Health Club	182.400	0.00000
High Turnover (Sit Down Restaurant)	59.5000	0.00000
General Office Building	24.1800	0.00000
Enclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Health Club	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
General Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Health Club	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000

High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
General Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6600	annual days of extreme heat
Extreme Precipitation	4.40000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	8.55000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.6154
AQ-PM	15.7187
AQ-DPM	62.3895
Drinking Water	44.8982
Lead Risk Housing	58.0844
Pesticides	0.00000
Toxic Releases	27.9945
Traffic	54.5125
Effect Indicators	—
CleanUp Sites	44.0090
Groundwater	75.9754

Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	4.98504
Cardio-vascular	4.58624
Low Birth Weights	23.0562
Socioeconomic Factor Indicators	—
Education	7.82080
Housing	0.39290
Linguistic	52.5105
Poverty	7.55025
Unemployment	7.76939

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	99.96150391
Employed	78.94264083
Median HI	99.55087899
Education	—
Bachelor's or higher	99.48671885
High school enrollment	17.07943026
Preschool enrollment	62.33799564
Transportation	—
Auto Access	86.34672142
Active commuting	75.7602977

Social	—
2-parent households	97.95970743
Voting	95.97074297
Neighborhood	—
Alcohol availability	34.41550109
Park access	31.29731811
Retail density	55.16489157
Supermarket access	94.25125112
Tree canopy	86.07724881
Housing	—
Homeownership	91.35121263
Housing habitability	96.48402412
Low-inc homeowner severe housing cost burden	97.03580136
Low-inc renter severe housing cost burden	76.13242654
Uncrowded housing	86.21840113
Health Outcomes	—
Insured adults	98.71679713
Arthritis	0.0
Asthma ER Admissions	97.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	98.2
Cognitively Disabled	76.7
Physically Disabled	67.1

Heart Attack ER Admissions	92.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	89.7
Children	82.0
Elderly	11.5
English Speaking	60.3
Foreign-born	56.3
Outdoor Workers	83.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.2
Traffic Density	43.2
Traffic Access	87.4
Other Indices	—
Hardship	1.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	4.00000
Healthy Places Index Score for Project Location (b)	99.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	proportionally exteneded default construction days to fit a 18 month schedule.
Construction: Trips and VMT	Approximately 19,000 square feet of parking asphalt to be removed.
Operations: Vehicle Data	Phase III would approximately generate 2,071 ADT out of the total 8,185 ADT for full project buildout, per the traffic report
Operations: Energy Use	The project would construct all electric facilities.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	12/29/2033	1/10/2034
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	35.0000
Grading	Grading	Start Date	1/4/2034	1/11/2034
Grading	Grading	End Date	1/12/2034	1/23/2034
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	6.00000	11.0000
Building Construction	Building Construction	Start Date	1/13/2034	1/24/2034
Building Construction	Building Construction	End Date	11/17/2034	4/20/2035
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	220.000	388.000
Paving	Paving	Start Date	11/18/2034	4/21/2035
Paving	Paving	End Date	12/2/2034	5/11/2035
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	18.0000
Architectural Coating	Architectural Coating	Start Date	12/3/2034	5/12/2035
Architectural Coating	Architectural Coating	End Date	12/17/2034	6/1/2035
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	18.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	One-Way Trips per Day	8.31429	11.0500

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Health Club	Weekday Trip Rate	size/day	32.9300	0.00000
Health Club	Saturday Trip Rate	size/day	20.8700	0.00000
Health Club	Sunday Trip Rate	size/day	26.7300	0.00000
High Turnover (Sit Down Restaurant)	Weekday Trip Rate	size/day	112.180	0.00000
High Turnover (Sit Down Restaurant)	Saturday Trip Rate	size/day	122.400	0.00000
High Turnover (Sit Down Restaurant)	Sunday Trip Rate	size/day	142.640	0.00000
General Office Building	Weekday Trip Rate	size/day	9.74000	79.6501
General Office Building	Saturday Trip Rate	size/day	2.21000	79.6501
General Office Building	Sunday Trip Rate	size/day	0.70000	78.7000

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Health Club	Electricity	kWh/yr	349,125	759,808
Health Club	Electricity (Subject to Title 24)	kWh/yr	154,352	335,920
Health Club	Electricity (Not Subject to Title 24)	kWh/yr	194,772	423,888
Health Club	Natural Gas	kBTU/yr	1,401,251	0.00000
Health Club	Natural Gas (Subject to Title 24)	kBTU/yr	592,501	0.00000
Health Club	Natural Gas (Not Subject to Title 24)	kBTU/yr	808,751	0.00000
High Turnover (Sit Down Restaurant)	Electricity	kWh/yr	226,894	424,609
High Turnover (Sit Down Restaurant)	Electricity (Subject to Title 24)	kWh/yr	78,107.6	146,170
High Turnover (Sit Down Restaurant)	Electricity (Not Subject to Title 24)	kWh/yr	148,786	278,439
High Turnover (Sit Down Restaurant)	Natural Gas	kBTU/yr	674,605	0.00000
High Turnover (Sit Down Restaurant)	Natural Gas (Subject to Title 24)	kBTU/yr	117,184	0.00000
High Turnover (Sit Down Restaurant)	Natural Gas (Not Subject to Title 24)	kBTU/yr	557,421	0.00000

General Office Building	Electricity	kWh/yr	550,384	731,366
General Office Building	Electricity (Subject to Title 24)	kWh/yr	357,503	475,059
General Office Building	Electricity (Not Subject to Title 24)	kWh/yr	192,882	256,306
General Office Building	Natural Gas	kBTU/yr	617,508	0.00000
General Office Building	Natural Gas (Subject to Title 24)	kBTU/yr	485,999	0.00000
General Office Building	Natural Gas (Not Subject to Title 24)	kBTU/yr	131,509	0.00000