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# APPENDIX B: Air Quality and Greenhouse Gas Emissions Data

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## CalEEMod Inputs - Mountain View Police Department Project Construction Assumptions

**Name:** Mountain View Police Department Project  
**Project Number:** SVA-1.0  
**Project Location:** 1000 Villa Street, Mountain View, CA 94041  
**County/Air Basin:** Santa Clara  
**Climate Zone:** 1  
**Land Use Setting:** Urban  
**Gas Utility Company:** PG&E  
**Electric Utility Company:** PG&E  
**Air Basin:** San Francisco Bay Area  
**Air District:** Bay Area AQMD (BAAQMD)

Project Site Acreage	4.12
Disturbed Site Acreage	3.52

Project Components					
Asphalt Demolition		Building SQFT	Tons of Debris		
Building Demolition <sup>1</sup>		44,914	2,066		
Asphalt Demolition <sup>2</sup>		108,553	1,608		
Construction		Number of Units	SQFT	Building Footprint	Acre
Police Department Building (3-story) <sup>3</sup>		-	87,215	25,000	0.57
Parking Garage (3-story)		214	102,785	38,333	0.88
Parking Surface Lot <sup>4</sup>		75	70,967	70,967	1.63
Hardscaping		-	14,375	14,375	0.33
Landscaping		-	4,792	4,792	0.11
Undisturbed Area		-	26,000	26,000	0.60
<b>TOTAL</b>			<b>192,919</b>	<b>179,467</b>	<b>4.12</b>

### Notes

- Based on assumption that all asphalt under disturbed site acreage will be hauled.
- Asphalt square footage assumed to be the balance of site after accounting for the existing building footprint and undisturbed land.
- Includes 12,215 square feet for the shooting range to account for area and energy source emissions.
- Parking Lot square footage based on the site balance after accounting for all other proposed uses.

## CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Building Square Feet	Landscape Area Square Feet	Special Landscape Area Square Feet
Commercial	Government Office Building	87.22	1000 sqft	0.68	87,215	4,792	0
Parking	Enclosed Parking With Elevator	214	Spaces	0.88	102,785	0	0
Parking	Surface Parking Lot	75	Spaces	1.63	70,967	0	0
Hardscaping	Other Asphalt Surfaces	14.37	1000 sqft	0.33	14,375	0	0
				<b>3.52</b>			

## Demolition Haul

Construction Activities	Amount to be Demolished (Tons)	Haul Truck Capacity (Tons)	Haul Distance (miles)	Total Trip Ends	Total Days	Trip Ends/Day
Asphalt Demolition <sup>1,2,3</sup>	1,608	16	20	202	51	4
Building Demolition <sup>4,5</sup>	2,066	16	20	260	51	5
	<b>3,674</b>					<b>9</b>

### Notes:

- Based on assumption that all asphalt under disturbed site acreage will be hauled
- Gibbons, Jim. 1999. Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connecticut Cooperative Extension System. [https://www.uni-groupusa.org/PDF/NEMO\\_tech\\_8.pdf](https://www.uni-groupusa.org/PDF/NEMO_tech_8.pdf)
- CalRecycle. 2019. Solid Waste Cleanup Program Weights and Volumes for Project Estimates. <https://www.delmar.ca.us/DocumentCenter/View/5668/CalRecycle-Conversion-Table>
- Tons of building demo debris would be hauled offsite as provided by Applicant.
- CalEEMod default haul truck capacity used.

## BAAQMD Construction BMPs

Water Exposed Surfaces	Frequency per day:	2	
	PM10:	61	% Reduction
	PM2.5:	61	% Reduction
Limit Vehicle Speeds on Unpaved Roads	Miles per hour speed limit:	25	
	PM10:	44	% Reduction
	PM25:	44	% Reduction
Sweep Paved Roads	PM10:	9	% Reduction
	PM25:	9	% Reduction

## Pavement Volume to Weight Conversion

<b>Component</b>	<b>Total SF of Area<sup>1</sup></b>	<b>Assumed Thickness (foot)<sup>2</sup></b>	<b>Debris Volume (cu. ft)</b>	<b>Weight of Crushed Asphalt (lbs/cf)<sup>3</sup></b>	<b>AC Mass (lbs)</b>	<b>AC Mass (tons)</b>
Asphalt Demolition	108,553	0.333	36,184	89	3,216,391	1608.20
<b>Total</b>	108,553					1,608

<sup>1</sup> Based on assumption that all asphalt under disturbed site acreage will be hauled

<sup>2</sup> Gibbons, Jim. 1999. Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connecticut Cooperative Extension System. [https://www.uni-groupusa.org/PDF/NEMO\\_tech\\_8.pdf](https://www.uni-groupusa.org/PDF/NEMO_tech_8.pdf)

<sup>3</sup> CalRecycle. 2019. Solid Waste Cleanup Program Weights and Volumes for Project Estimates. <https://www.delmar.ca.us/DocumentCenter/View/5668/CalRecycle-Conversion-Table>

## Building Demolition Haul Trip Calculation

Source: CalEEMod User's Guide Version 2022.1, Appendix C

### Conversion factors

0.046 ton/SF	Building Debris
2 CY/ton	Building Debris
1.2641662 tons/CY	Soil
18 tons	Truck Capacity in tons
18 CY	Truck Capacity in CY
1 CY/ton	Soil

Building	BSF Demo <sup>1</sup>	Tons/SF	Tons <sup>1</sup>	Haul Truck (Ton) <sup>2</sup>	Round Trips	Total Trip Ends
Recreational Building Demo	44,914	0.046	2,066	18	230	460

### Notes:

<sup>1</sup> tons of building demo debris would be hauled offsite as per

<sup>2</sup> CalEEMod default haul truck capacity used.

CalEEMod Construction Off-Road Equipment Inputs

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day) <sup>1</sup>	Water Truck Capacity (gallons) <sup>2</sup>
10,000	4,000

Notes:

<sup>1</sup> Based on data provided in Guidance for Application for Dust Control Permit, Maricopa County Air Quality Department, 2005, June. Guidance for Application of Dust Control Permit. [https://www.epa.gov/sites/default/files/2019-04/documents/mr\\_guidanceforapplicationfordustcontrolpermit.pdf](https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

<sup>2</sup> Based on standard water truck capacity:

McLellan Industries, 2022, January (access). Water Trucks. <https://www.mclellanindustries.com/trucks/water-trucks/>

<sup>3</sup>

Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

Construction Equipment Details <sup>1</sup>							On-Site Water Truck Travel Distance (miles/day)
Equipment Given	CalEEMod Equipment	# of Equipment	hr/day	hp	load factor	total trips per day	
<b>Demolition</b>							
Rubber Tired Dozers	Rubber Tired Dozers	2	8	367	0.4		
Concrete/Industrial Saws	Concrete/Industrial Saws	1	8	33	0.73		
Excavators	Excavators	3	8	36	0.38		
Worker Trips						10	
Vendor Trips (water trucks - offsite activity)						7	
Hauling Trips						9	
Onsite Trucks (water trucks - onsite activity)						1	1.03
Acres Disturbed: 2.50							
<b>Site Preparation</b>							
Rubber Tired Dozers	Rubber Tired Dozers	3	8	367	0.4		
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	4	8	84	0.37		
Worker Trips						18	
Vendor Trips (water trucks - offsite activity)						9	
Hauling Trips						0	
Onsite Trucks (water trucks - onsite activity)						1	1.44
Acres Disturbed: 3.50							
<b>Grading</b>							
Graders	Graders	1	8	148	0.41		
Excavator	Excavator	1	8	36	0.38		
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	3	8	87	0.43		
Rubber Tired Dozers	Rubber Tired Dozers	1	8	367	0.4		
Worker Trips						15	
Vendor Trips (water trucks - offsite activity)						8	
Hauling Trips						0	
Onsite Trucks (water trucks - onsite activity)						1	1.24
Acres Disturbed: 3.00							
<b>Building Construction</b>							
Cranes	Cranes	1	7	367	0.29		
Forklifts	Forklifts	3	8	82	0.2		
Generator Sets	Generator Sets	1	8	14	0.74		
Welders	Welders	1	8	46	0.45		
Tractors/ Loaders / Backhoe	Tractors / Loaders / Backhoes	3	7	84	0.37		
Worker Trips						71	
Vendor Trips						31	
Hauling Trips						0	
<b>Paving</b>							
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	1	8	84	0.37		
Cement and Mortar Mixers	Cement and Mortar Mixers	2	6	10	0.56		
Pavers	Pavers	1	8	81	0.42		
Paving Equipment	Paving Equipment	2	6	89	0.36		
Rollers	Rollers	2	6	36	0.38		
Worker Trips						20	
Vendor Trips						0	
Hauling Trips						0	
<b>Architectural Coating</b>							
Air Compressors	Air Compressors	1	6	37	0.48		
Worker Trips						14	
Vendor Trips						0	
Hauling Trips						0	

## Construction Activities and Schedule Assumptions

Default Construction Schedule				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Asphalt & Building Demolition	Demolition	4/15/2025	4/29/2025	20
Site Preparation	Site Preparation	4/30/2025	5/7/2025	5
Grading	Grading	5/8/2025	5/19/2025	8
Building Construction	Building Construction	5/20/2025	4/7/2026	230
Paving	Paving	3/13/2026	4/7/2026	18
Architectural Coating	Architectural Coating	3/13/2026	4/7/2026	18

Normalization Calculations			
CalEEMod Defaults Construction Duration		Assumed Construction Duration	
357	days of construction	4/15/2025	10/15/2027
0.98	years of construction	913	days
12	months of construction	30	months
Normalization Factor:			2.56

New CalEEMod Construction Schedule				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Asphalt & Building Demolition	Demolition	4/15/2025	6/24/2025	51
Site Preparation	Site Preparation	6/25/2025	7/11/2025	13
Grading	Grading	7/12/2025	8/8/2025	20
Building Construction	Building Construction	8/9/2025	10/15/2027	570
Paving	Paving	8/13/2027	10/15/2027	46
Architectural Coating	Architectural Coating	8/13/2027	10/15/2027	46

Overlapping Construction Schedule			
Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Asphalt & Building Demolition	4/15/2025	6/24/2025	51
Site Preparation	6/25/2025	7/11/2025	13
Grading	7/12/2025	8/8/2025	20
Building Construction	8/9/2025	8/12/2027	524
Building Construction, Paving, & Architectural Coating	8/13/2027	10/15/2027	46

## CalEEMod Inputs - Mountain View Police Department Project Operation Assumptions

**Name:** Mountain View Police Department Project  
**Project Number:** SVA-1.0  
**Project Location:** 1000 Villa Street, Mountain View, CA 94041  
**County/Air Basin:** Santa Clara  
**Climate Zone:** 1  
**Land Use Setting:** Urban  
**Gas Utility Company:** PG&E  
**Electric Utility Company:** PG&E  
**Air Basin:** San Francisco Bay Area  
**Air District:** Bay Area AQMD (BAAQMD)

Project Site Acreage 4.12  
 Disturbed Site Acreage 3.52

### CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Building Square Feet	Landscape Area Square Feet	Special Landscape Area Square Feet
Commercial	Government Office Building	87.22	1000 sqft	0.68	87,215	4,792	0
Parking	Enclosed Parking With Elevator	214	Spaces	0.88	102,785	0	0
Parking	Surface Parking Lot	75	Spaces	1.63	70,967	0	0
Hardscaping	Other Asphalt Surfaces	14.37	1000 sqft	0.33	14,375	0	0
				<b>3.52</b>			

### Net Trips <sup>1</sup>

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip Rate
Government Office Building <sup>1</sup>	602	6.90	519	5.95	653	7.49

**Notes**

<sup>1</sup> ITE Code 571 for Adult Detention Facility is used to represent potential project vehicle trips.

### Water Use <sup>1</sup>

	Indoor (gpy)	Outdoor (gpy)	Total
Government Office Building	17,326,105	51,229	17,377,333
Enclosed Parking With Elevator	0	0	0
Surface Parking Lot	0	0	0
Other Asphalt Surfaces	0	0	0

**Notes**

<sup>1</sup> CalEEMod defaults used.

### Solid Waste <sup>1</sup>

Land Use	Total Solid Waste (tons/yr)	Total Solid Waste (tons/unit/yr)
Government Office Building	81.11	0.93
Enclosed Parking With Elevator	0.00	0.00
Surface Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

**Notes**

<sup>1</sup> CalEEMod defaults used.



Existing Conditions								
Adult Detention Facility (Land Use Code: 571)	Employees	Weekday			Saturday		Sunday	
		Total	AM Peak	PM Peak	Total	Peak Hour	Total	Peak Hour
Average Daily Rate	169	3.04	0.46	0.51	2.62	0.36	3.3	0.51
Total Average Rate	-	514	77.74	86.19	442.78	60.84	557.7	86.19
Entering/Exiting	-	267/247	49/29	22/64	221/222	-	-	-

Proposed Project								
Adult Detention Facility (Land Use Code: 571)	Employees	Weekday			Saturday		Sunday	
		Total	AM Peak	PM Peak	Total	Peak Hour	Total	Peak Hour
Average Daily Rate	198	3.04	0.46	0.51	2.62	0.36	3.3	0.51
Total Average Rate	-	602	91	101	519	71	653	101
Entering/Exiting	-	313/289	57/34	25/76	259/260	-	-	-

# SVA 1.0 - Mountain View Police Department Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	SVA 1.0 - Mountain View Police Department
Construction Start Date	4/15/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	32.8
Location	37.39552833743578, -122.08126249468367
County	Santa Clara
City	Mountain View
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1732
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.23

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Government Office Building	87.2	1000sqft	1.72	87,215	4,792	0.00	—	—
Enclosed Parking with Elevator	214	Space	0.69	102,785	0.00	0.00	—	—
Parking Lot	75.0	Space	0.69	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	14.4	1000sqft	0.33	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

## 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.	4.03	22.6	32.0	31.1	0.05	1.37	9.07	10.4	1.26	4.21	5.47	—	5,675	5,675	0.23	0.17	4.70	5,705
Mit.	1.00	21.3	6.70	29.7	0.05	0.13	9.07	9.17	0.13	4.21	4.31	—	5,675	5,675	0.23	0.17	4.70	5,705
% Reduced	75%	6%	79%	5%	—	90%	—	12%	90%	—	21%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.54	22.6	17.5	26.8	0.04	0.61	4.62	5.23	0.56	1.15	1.71	—	5,445	5,445	0.22	0.17	0.12	5,501
Mit.	0.99	21.3	6.78	29.0	0.04	0.13	4.62	4.76	0.13	1.15	1.28	—	5,445	5,445	0.22	0.17	0.12	5,501

% Reduced	61%	6%	61%	-8%	—	78%	—	9%	77%	—	25%	—	—	—	—	—	—	
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Unmit.	1.15	3.39	8.61	11.4	0.02	0.34	2.33	2.61	0.32	0.58	0.85	—	2,645	2,645	0.11	0.10	1.26	2,680
Mit.	0.46	2.93	2.81	12.7	0.02	0.06	2.33	2.39	0.06	0.58	0.64	—	2,645	2,645	0.11	0.10	1.26	2,680
% Reduced	60%	14%	67%	-12%	—	82%	—	8%	81%	—	25%	—	—	—	—	—	—	
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Unmit.	0.21	0.62	1.57	2.07	< 0.005	0.06	0.43	0.48	0.06	0.11	0.16	—	438	438	0.02	0.02	0.21	444
Mit.	0.08	0.53	0.51	2.31	< 0.005	0.01	0.43	0.44	0.01	0.11	0.12	—	438	438	0.02	0.02	0.21	444
% Reduced	60%	14%	67%	-12%	—	82%	—	8%	81%	—	25%	—	—	—	—	—	—	

## 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.03	3.38	32.0	31.1	0.05	1.37	9.07	10.4	1.26	4.21	5.47	—	5,675	5,675	0.23	0.16	4.50	5,705
2026	1.58	1.32	10.9	16.4	0.03	0.39	3.34	3.72	0.36	0.83	1.19	—	3,745	3,745	0.15	0.15	4.08	3,796
2027	2.55	22.6	17.4	27.4	0.04	0.61	4.62	5.23	0.56	1.15	1.71	—	5,515	5,515	0.21	0.17	4.70	5,575
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.65	1.39	11.7	16.2	0.03	0.44	3.34	3.78	0.41	0.83	1.24	—	3,721	3,721	0.15	0.15	0.12	3,769
2026	1.57	1.29	11.0	15.9	0.03	0.39	3.34	3.72	0.36	0.83	1.19	—	3,697	3,697	0.15	0.15	0.11	3,745
2027	2.54	22.6	17.5	26.8	0.04	0.61	4.62	5.23	0.56	1.15	1.71	—	5,445	5,445	0.22	0.17	0.12	5,501

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.15	0.96	8.61	9.64	0.02	0.34	1.82	2.17	0.32	0.53	0.85	—	2,049	2,049	0.09	0.07	0.74	2,073
2026	1.12	0.92	7.84	11.4	0.02	0.28	2.33	2.61	0.26	0.58	0.83	—	2,645	2,645	0.11	0.10	1.26	2,680
2027	0.98	3.39	6.78	10.2	0.02	0.23	2.00	2.23	0.21	0.50	0.71	—	2,297	2,297	0.09	0.08	0.94	2,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.21	0.17	1.57	1.76	< 0.005	0.06	0.33	0.40	0.06	0.10	0.16	—	339	339	0.01	0.01	0.12	343
2026	0.20	0.17	1.43	2.07	< 0.005	0.05	0.43	0.48	0.05	0.11	0.15	—	438	438	0.02	0.02	0.21	444
2027	0.18	0.62	1.24	1.87	< 0.005	0.04	0.36	0.41	0.04	0.09	0.13	—	380	380	0.02	0.01	0.16	385

### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.69	0.60	5.58	29.3	0.05	0.10	9.07	9.17	0.10	4.21	4.31	—	5,675	5,675	0.23	0.16	4.50	5,705	
2026	0.65	0.58	3.88	18.2	0.03	0.08	3.34	3.42	0.08	0.83	0.91	—	3,745	3,745	0.15	0.15	4.08	3,796	
2027	1.00	21.3	6.70	29.7	0.04	0.13	4.62	4.76	0.13	1.15	1.28	—	5,515	5,515	0.21	0.17	4.70	5,575	
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.66	0.59	4.05	18.0	0.03	0.08	3.34	3.42	0.08	0.83	0.91	—	3,721	3,721	0.15	0.15	0.12	3,769	
2026	0.64	0.55	3.98	17.8	0.03	0.08	3.34	3.42	0.08	0.83	0.91	—	3,697	3,697	0.15	0.15	0.11	3,745	
2027	0.99	21.3	6.78	29.0	0.04	0.13	4.62	4.76	0.13	1.15	1.28	—	5,445	5,445	0.22	0.17	0.12	5,501	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.30	0.27	2.16	9.83	0.02	0.04	1.82	1.86	0.04	0.53	0.58	—	2,049	2,049	0.09	0.07	0.74	2,073	
2026	0.46	0.39	2.81	12.7	0.02	0.06	2.33	2.39	0.06	0.58	0.64	—	2,645	2,645	0.11	0.10	1.26	2,680	

2027	0.40	2.93	2.55	11.3	0.02	0.05	2.00	2.05	0.05	0.50	0.55	—	2,297	2,297	0.09	0.08	0.94	2,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.05	0.05	0.39	1.79	< 0.005	0.01	0.33	0.34	0.01	0.10	0.10	—	339	339	0.01	0.01	0.12	343
2026	0.08	0.07	0.51	2.31	< 0.005	0.01	0.43	0.44	0.01	0.11	0.12	—	438	438	0.02	0.02	0.21	444
2027	0.07	0.53	0.47	2.07	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	380	380	0.02	0.01	0.16	385

## 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.	3.70	5.55	1.63	26.4	0.05	0.04	4.42	4.46	0.04	1.12	1.16	76.9	6,035	6,112	8.16	0.28	15.4	6,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.15	4.10	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	76.9	5,721	5,798	8.18	0.30	0.61	6,091
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.64	4.55	1.58	18.8	0.04	0.03	3.89	3.93	0.03	0.99	1.02	76.9	5,332	5,409	8.15	0.27	6.10	5,700
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.48	0.83	0.29	3.43	0.01	0.01	0.71	0.72	0.01	0.18	0.19	12.7	883	895	1.35	0.05	1.01	944

## 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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Area	1.47	3.49	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	3.70	5.55	1.63	26.4	0.05	0.04	4.42	4.46	0.04	1.12	1.16	76.9	6,035	6,112	8.16	0.28	15.4	6,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Area	—	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	2.15	4.10	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	76.9	5,721	5,798	8.18	0.30	0.61	6,091
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91	1.75	1.54	14.7	0.04	0.02	3.89	3.92	0.02	0.99	1.01	—	3,993	3,993	0.17	0.17	5.89	4,053
Area	0.73	2.80	0.03	4.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.8	16.8	< 0.005	< 0.005	—	16.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	2.64	4.55	1.58	18.8	0.04	0.03	3.89	3.93	0.03	0.99	1.02	76.9	5,332	5,409	8.15	0.27	6.10	5,700

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671
Area	0.13	0.51	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	208	208	0.03	< 0.005	—	210
Water	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1
Waste	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	0.48	0.83	0.29	3.43	0.01	0.01	0.71	0.72	0.01	0.18	0.19	12.7	883	895	1.35	0.05	1.01	944

## 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	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Area	1.47	3.49	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	3.70	5.55	1.63	26.4	0.05	0.04	4.42	4.46	0.04	1.12	1.16	76.9	6,035	6,112	8.16	0.28	15.4	6,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Area	—	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206

Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	2.15	4.10	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	76.9	5,721	5,798	8.18	0.30	0.61	6,091
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91	1.75	1.54	14.7	0.04	0.02	3.89	3.92	0.02	0.99	1.01	—	3,993	3,993	0.17	0.17	5.89	4,053
Area	0.73	2.80	0.03	4.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.8	16.8	< 0.005	< 0.005	—	16.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,259	1,259	0.20	0.02	—	1,271
Water	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Waste	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	2.64	4.55	1.58	18.8	0.04	0.03	3.89	3.93	0.03	0.99	1.02	76.9	5,332	5,409	8.15	0.27	6.10	5,700
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671
Area	0.13	0.51	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	208	208	0.03	< 0.005	—	210
Water	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1
Waste	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	0.48	0.83	0.29	3.43	0.01	0.01	0.71	0.72	0.01	0.18	0.19	12.7	883	895	1.35	0.05	1.01	944

### 3. Construction Emissions Details

#### 3.1. Demolition (2025) - 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	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.00	1.00	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	—	5.26	5.26	< 0.005	< 0.005	0.01	5.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.10	2.78	< 0.005	0.13	—	0.13	0.12	—	0.12	—	479	479	0.02	< 0.005	—	480
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.57	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	79.2	79.2	< 0.005	< 0.005	—	79.5
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.57	0.00	0.14	0.14	—	142	142	< 0.005	0.01	0.56	144
Vendor	0.02	0.01	0.21	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.02	0.41	165

Hauling	0.07	0.01	0.81	0.39	< 0.005	0.01	0.56	0.58	0.01	0.14	0.15	—	645	645	0.05	0.10	1.40	678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	18.6	18.6	< 0.005	< 0.005	0.03	18.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	0.03	23.0
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	90.1	90.1	0.01	0.01	0.08	94.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	0.01	3.12
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	< 0.005	3.81
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.7

### 3.2. Demolition (2025) - 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	0.36	0.36	4.51	18.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.00	1.00	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	—	5.26	5.26	< 0.005	< 0.005	0.01	5.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.63	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	479	479	0.02	< 0.005	—	480
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.2	79.2	< 0.005	< 0.005	—	79.5
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.57	0.00	0.14	0.14	—	142	142	< 0.005	0.01	0.56	144
Vendor	0.02	0.01	0.21	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.02	0.41	165
Hauling	0.07	0.01	0.81	0.39	< 0.005	0.01	0.56	0.58	0.01	0.14	0.15	—	645	645	0.05	0.10	1.40	678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	18.6	18.6	< 0.005	< 0.005	0.03	18.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	0.03	23.0
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	90.1	90.1	0.01	0.01	0.08	94.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	0.01	3.12

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	< 0.005	3.81
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.7

### 3.3. Site Preparation (2025) - 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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.53	0.53	< 0.005	0.05	0.05	—	6.69	6.69	< 0.005	< 0.005	0.01	7.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.13	1.07	< 0.005	0.05	—	0.05	0.04	—	0.04	—	189	189	0.01	< 0.005	—	189
Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.02	0.21	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.2	31.2	< 0.005	< 0.005	—	31.3
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	170	170	< 0.005	0.01	0.67	173
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	202	202	0.01	0.03	0.53	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	5.68	5.68	< 0.005	< 0.005	0.01	5.76
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.21	7.21	< 0.005	< 0.005	0.01	7.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.4. Site Preparation (2025) - 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	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.53	0.53	< 0.005	0.05	0.05	—	6.69	6.69	< 0.005	< 0.005	0.01	7.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.09	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	189	189	0.01	< 0.005	—	189
Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.2	31.2	< 0.005	< 0.005	—	31.3
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	170	170	< 0.005	0.01	0.67	173
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	202	202	0.01	0.03	0.53	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	5.68	5.68	< 0.005	< 0.005	0.01	5.76
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.21	7.21	< 0.005	< 0.005	0.01	7.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.5. Grading (2025) - 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	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970

Dust From Material Movement:	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.46	0.46	< 0.005	0.05	0.05	—	5.99	5.99	< 0.005	< 0.005	0.01	6.31
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.89	0.98	< 0.005	0.04	—	0.04	0.04	—	0.04	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement:	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.33	0.33	< 0.005	< 0.005	< 0.005	0.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.57	0.00	0.14	0.14	—	142	142	< 0.005	0.01	0.56	144
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.17	0.17	< 0.005	0.04	0.05	—	180	180	0.01	0.03	0.47	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	7.29	7.29	< 0.005	< 0.005	0.01	7.39
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	9.85	9.85	< 0.005	< 0.005	0.01	10.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.71
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.6. Grading (2025) - 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	0.29	0.29	2.04	17.8	0.03	0.06	—	0.06	0.06	—	0.06	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.46	0.46	< 0.005	0.05	0.05	—	5.99	5.99	< 0.005	< 0.005	0.01	6.31
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.33	0.33	< 0.005	< 0.005	< 0.005	0.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.57	0.00	0.14	0.14	—	142	142	< 0.005	0.01	0.56	144
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.17	0.17	< 0.005	0.04	0.05	—	180	180	0.01	0.03	0.47	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	7.29	7.29	< 0.005	< 0.005	0.01	7.39
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	9.85	9.85	< 0.005	< 0.005	0.01	10.3

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.71
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Building Construction (2025) - 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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.96	3.70	0.01	0.12	—	0.12	0.11	—	0.11	—	680	680	0.03	0.01	—	683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.54	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.19	3.16	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	673	673	0.01	0.02	2.66	683
Vendor	0.07	0.03	0.94	0.47	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	700	700	0.04	0.10	1.84	733
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.24	2.68	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	623	623	0.01	0.03	0.07	632
Vendor	0.07	0.03	0.99	0.48	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	700	700	0.04	0.10	0.05	731
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.75	0.00	0.00	0.74	0.74	0.00	0.18	0.18	—	179	179	< 0.005	0.01	0.33	181
Vendor	0.02	0.01	0.28	0.13	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	199	199	0.01	0.03	0.23	208
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	29.6	29.6	< 0.005	< 0.005	0.05	30.0
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	32.9	32.9	< 0.005	< 0.005	0.04	34.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.8. Building Construction (2025) - 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
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	4.21	0.01	0.02	—	0.02	0.02	—	0.02	—	680	680	0.03	0.01	—	683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.19	3.16	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	673	673	0.01	0.02	2.66	683
Vendor	0.07	0.03	0.94	0.47	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	700	700	0.04	0.10	1.84	733
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.24	2.68	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	623	623	0.01	0.03	0.07	632
Vendor	0.07	0.03	0.99	0.48	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	700	700	0.04	0.10	0.05	731
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.75	0.00	0.00	0.74	0.74	0.00	0.18	0.18	—	179	179	< 0.005	0.01	0.33	181
Vendor	0.02	0.01	0.28	0.13	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	199	199	0.01	0.03	0.23	208
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	29.6	29.6	< 0.005	< 0.005	0.05	30.0
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	32.9	32.9	< 0.005	< 0.005	0.04	34.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.9. Building Construction (2026) - 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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.95	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	660	660	0.01	0.02	2.41	670
Vendor	0.07	0.02	0.90	0.45	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	688	688	0.04	0.10	1.66	720
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.21	2.49	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	611	611	0.01	0.03	0.06	620
Vendor	0.07	0.02	0.95	0.46	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	688	688	0.04	0.10	0.04	719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	1.76	0.00	0.00	1.87	1.87	0.00	0.46	0.46	—	442	442	0.01	0.02	0.74	448
Vendor	0.05	0.02	0.66	0.33	< 0.005	0.01	0.46	0.47	0.01	0.12	0.13	—	491	491	0.03	0.07	0.51	514

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.32	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.1	73.1	< 0.005	< 0.005	0.12	74.2
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	81.3	81.3	< 0.005	0.01	0.08	85.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.10. Building Construction (2026) - 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	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.95	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	660	660	0.01	0.02	2.41	670
Vendor	0.07	0.02	0.90	0.45	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	688	688	0.04	0.10	1.66	720
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.21	2.49	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	611	611	0.01	0.03	0.06	620
Vendor	0.07	0.02	0.95	0.46	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	688	688	0.04	0.10	0.04	719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	1.76	0.00	0.00	1.87	1.87	0.00	0.46	0.46	—	442	442	0.01	0.02	0.74	448
Vendor	0.05	0.02	0.66	0.33	< 0.005	0.01	0.46	0.47	0.01	0.12	0.13	—	491	491	0.03	0.07	0.51	514
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.32	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.1	73.1	< 0.005	< 0.005	0.12	74.2
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	81.3	81.3	< 0.005	0.01	0.08	85.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.11. Building Construction (2027) - 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
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.58	5.29	7.29	0.01	0.19	—	0.19	0.17	—	0.17	—	1,351	1,351	0.05	0.01	—	1,356
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.97	1.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	224	224	0.01	< 0.005	—	224
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.16	2.76	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	648	648	0.01	0.02	2.18	658
Vendor	0.06	0.02	0.86	0.44	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	674	674	0.04	0.10	1.47	706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	2.32	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	600	600	0.01	0.02	0.06	608
Vendor	0.06	0.02	0.90	0.45	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	674	674	0.04	0.10	0.04	705
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.30	0.00	0.00	1.48	1.48	0.00	0.36	0.36	—	342	342	0.01	0.01	0.53	347
Vendor	0.04	0.01	0.50	0.25	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	380	380	0.02	0.06	0.36	398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.27	0.27	0.00	0.07	0.07	—	56.6	56.6	< 0.005	< 0.005	0.09	57.4
Vendor	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	62.9	62.9	< 0.005	0.01	0.06	65.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.12. Building Construction (2027) - 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	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.19	1.59	8.35	0.01	0.04	—	0.04	0.04	—	0.04	—	1,351	1,351	0.05	0.01	—	1,356
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	1.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	224	224	0.01	< 0.005	—	224
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.16	2.76	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	648	648	0.01	0.02	2.18	658
Vendor	0.06	0.02	0.86	0.44	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	674	674	0.04	0.10	1.47	706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	2.32	0.00	0.00	2.68	2.68	0.00	0.66	0.66	—	600	600	0.01	0.02	0.06	608
Vendor	0.06	0.02	0.90	0.45	< 0.005	0.01	0.66	0.67	0.01	0.17	0.18	—	674	674	0.04	0.10	0.04	705
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.30	0.00	0.00	1.48	1.48	0.00	0.36	0.36	—	342	342	0.01	0.01	0.53	347
Vendor	0.04	0.01	0.50	0.25	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	380	380	0.02	0.06	0.36	398

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.27	0.27	0.00	0.07	0.07	—	56.6	56.6	< 0.005	< 0.005	0.09	57.4
Vendor	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	62.9	62.9	< 0.005	0.01	0.06	65.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.13. Paving (2027) - 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	0.79	0.66	6.09	8.83	0.01	0.24	—	0.24	0.22	—	0.22	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	6.09	8.83	0.01	0.24	—	0.24	0.22	—	0.22	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.77	1.11	< 0.005	0.03	—	0.03	0.03	—	0.03	—	170	170	0.01	< 0.005	—	171
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.2	28.2	< 0.005	< 0.005	—	28.3	
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.75	0.00	0.19	0.19	—	182	182	< 0.005	0.01	0.61	185	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.05	0.05	0.65	0.00	0.00	0.75	0.75	0.00	0.19	0.19	—	169	169	< 0.005	0.01	0.02	171	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	21.5	21.5	< 0.005	< 0.005	0.03	21.8	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.56	3.56	< 0.005	< 0.005	0.01	3.61	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.14. Paving (2027) - 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	0.23	0.21	2.14	9.35	0.01	0.05	—	0.05	0.05	—	0.05	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.21	2.14	9.35	0.01	0.05	—	0.05	0.05	—	0.05	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	1.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	170	170	0.01	< 0.005	—	171
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.2	28.2	< 0.005	< 0.005	—	28.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.75	0.00	0.19	0.19	—	182	182	< 0.005	0.01	0.61	185	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.05	0.05	0.65	0.00	0.00	0.75	0.75	0.00	0.19	0.19	—	169	169	< 0.005	0.01	0.02	171	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	21.5	21.5	< 0.005	< 0.005	0.03	21.8	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.56	3.56	< 0.005	< 0.005	0.01	3.61	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.15. Architectural Coating (2027) - 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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Architectural Coatings	—	2.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.79	2.79	< 0.005	< 0.005	—	2.80
Architectural Coatings	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.55	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	130	130	< 0.005	< 0.005	0.44	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	120	120	< 0.005	< 0.005	0.01	122
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.3	15.3	< 0.005	< 0.005	0.02	15.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	< 0.005	2.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.16. Architectural Coating (2027) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Architectural Coatings	—	2.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.79	2.79	< 0.005	< 0.005	—	2.80
Architectural Coatings	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.55	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	130	130	< 0.005	< 0.005	0.44	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	120	120	< 0.005	< 0.005	0.01	122
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.3	15.3	< 0.005	< 0.005	0.02	15.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	< 0.005	2.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.23	2.06	1.56	18.2	0.05	0.03	4.42	4.45	0.03	1.12	1.15	—	4,680	4,680	0.17	0.17	15.2	4,751
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.15	1.97	1.82	16.7	0.04	0.03	4.42	4.45	0.03	1.12	1.15	—	4,399	4,399	0.19	0.19	0.39	4,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	0.32	0.28	2.68	0.01	< 0.005	0.71	0.72	< 0.005	0.18	0.18	—	661	661	0.03	0.03	0.98	671

## 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032	0.17	0.02	—	1,042
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	212	212	0.03	< 0.005	—	214
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	14.7	14.7	< 0.005	< 0.005	—	14.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,259	1,259	0.20	0.02	—	1,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032	0.17	0.02	—	1,042
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	212	212	0.03	< 0.005	—	214

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	14.7	14.7	< 0.005	< 0.005	—	14.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,259	1,259	0.20	0.02	—	1,271
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	171	171	0.03	< 0.005	—	173
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	0.01	< 0.005	—	35.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.44	2.44	< 0.005	< 0.005	—	2.46
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	208	208	0.03	< 0.005	—	210

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032	0.17	0.02	—	1,042	

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	212	212	0.03	< 0.005	—	214
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	14.7	14.7	< 0.005	< 0.005	—	14.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,259	1,259	0.20	0.02	—	1,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032	0.17	0.02	—	1,042
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	212	212	0.03	< 0.005	—	214
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	14.7	14.7	< 0.005	< 0.005	—	14.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,259	1,259	0.20	0.02	—	1,271
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	171	171	0.03	< 0.005	—	173
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	0.01	< 0.005	—	35.5

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.44	2.44	< 0.005	< 0.005	—	2.46
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	208	208	0.03	< 0.005	—	210

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Government	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

### 4.3. 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	—	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.47	1.36	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Total	1.47	3.49	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78
Total	0.13	0.51	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78

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	—	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	1.47	1.36	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Total	1.47	3.49	0.07	8.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.0	34.0	< 0.005	< 0.005	—	34.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78
Total	0.13	0.51	0.01	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.77	2.77	< 0.005	< 0.005	—	2.78

#### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Government	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206	
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	62.8	96.0	3.41	0.08	—	206	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1	
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	5.50	10.4	15.9	0.57	0.01	—	34.1	

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	0.00	43.7	4.37	0.00	—	153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.24	0.00	7.24	0.72	0.00	—	25.3

#### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

### 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	4/15/2025	6/24/2025	5.00	51.0	—
Site Preparation	Site Preparation	6/25/2025	7/11/2025	5.00	13.0	—
Grading	Grading	7/12/2025	8/8/2025	5.00	20.0	—
Building Construction	Building Construction	8/9/2025	10/15/2027	5.00	570	—

Paving	Paving	8/13/2027	10/15/2027	5.00	46.0	—
Architectural Coating	Architectural Coating	8/13/2027	10/15/2027	5.00	46.0	—

## 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	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

## 5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	12.9	LDA,LDT1,LDT2
Demolition	Vendor	7.00	6.94	HHDT,MHDT
Demolition	Hauling	9.00	20.0	HHDT
Demolition	Onsite truck	1.00	1.03	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.9	LDA,LDT1,LDT2
Site Preparation	Vendor	9.00	6.94	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	1.44	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	12.9	LDA,LDT1,LDT2
Grading	Vendor	8.00	6.94	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	1.24	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	71.1	12.9	LDA,LDT1,LDT2
Building Construction	Vendor	31.1	6.94	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	12.9	LDA,LDT1,LDT2
Paving	Vendor	0.00	6.94	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.2	12.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	6.94	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	12.9	LDA,LDT1,LDT2
Demolition	Vendor	7.00	6.94	HHDT,MHDT
Demolition	Hauling	9.00	20.0	HHDT
Demolition	Onsite truck	1.00	1.03	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.9	LDA,LDT1,LDT2
Site Preparation	Vendor	9.00	6.94	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	1.44	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	12.9	LDA,LDT1,LDT2
Grading	Vendor	8.00	6.94	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	1.24	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	71.1	12.9	LDA,LDT1,LDT2
Building Construction	Vendor	31.1	6.94	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	12.9	LDA,LDT1,LDT2
Paving	Vendor	0.00	6.94	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.2	12.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	6.94	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

## 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	0.00	0.00	132,175	43,758	4,469

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	3,674	—
Site Preparation	0.00	0.00	19.5	0.00	—
Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.71

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Government Office Building	0.00	0%
Enclosed Parking with Elevator	0.69	100%
Parking Lot	0.69	100%
Other Non-Asphalt Surfaces	0.33	0%

## 5.8. Construction Electricity Consumption and Emissions Factors

## kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

## 5.9. Operational Mobile Sources

## 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Government Office Building	602	453	653	214,558	5,774	4,343	6,268	2,058,725
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Government Office Building	602	453	653	214,558	5,774	4,343	6,268	2,058,725
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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	0.00	132,175	43,758	4,469

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)
Government Office Building	1,846,829	204	0.0330	0.0040	0.00
Enclosed Parking with Elevator	379,424	204	0.0330	0.0040	0.00

Parking Lot	26,329	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

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)
Government Office Building	1,846,829	204	0.0330	0.0040	0.00
Enclosed Parking with Elevator	379,424	204	0.0330	0.0040	0.00
Parking Lot	26,329	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	17,326,105	51,229
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	17,326,105	51,229
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	81.1	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—

#### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	81.1	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

#### 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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### 5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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## 5.17. User Defined

Equipment Type	Fuel Type
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## 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
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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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	12.7	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	8.55	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	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	14.9

AQ-PM	15.6
AQ-DPM	85.1
Drinking Water	49.5
Lead Risk Housing	21.3
Pesticides	0.00
Toxic Releases	32.4
Traffic	71.5
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	62.4
Haz Waste Facilities/Generators	69.6
Impaired Water Bodies	51.2
Solid Waste	0.00
Sensitive Population	—
Asthma	7.74
Cardio-vascular	12.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	20.9
Housing	26.2
Linguistic	22.2
Poverty	38.6
Unemployment	8.69

## 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
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Economic	—
Above Poverty	93.55832157
Employed	99.70486334
Median HI	94.84152445
Education	—
Bachelor's or higher	96.5610163
High school enrollment	24.3295265
Preschool enrollment	95.7141024
Transportation	—
Auto Access	51.48209932
Active commuting	89.0157834
Social	—
2-parent households	97.17695368
Voting	89.86269729
Neighborhood	—
Alcohol availability	16.55331708
Park access	61.65789811
Retail density	98.69113307
Supermarket access	31.00218144
Tree canopy	88.88746311
Housing	—
Homeownership	19.78698832
Housing habitability	70.4478378
Low-inc homeowner severe housing cost burden	48.33825228
Low-inc renter severe housing cost burden	91.18439625
Uncrowded housing	82.07365584
Health Outcomes	—

Insured adults	91.18439625
Arthritis	96.2
Asthma ER Admissions	90.7
High Blood Pressure	94.9
Cancer (excluding skin)	60.5
Asthma	94.4
Coronary Heart Disease	97.0
Chronic Obstructive Pulmonary Disease	98.5
Diagnosed Diabetes	97.7
Life Expectancy at Birth	88.6
Cognitively Disabled	80.8
Physically Disabled	81.6
Heart Attack ER Admissions	85.7
Mental Health Not Good	96.1
Chronic Kidney Disease	95.6
Obesity	92.5
Pedestrian Injuries	89.2
Physical Health Not Good	98.9
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	13.6
Current Smoker	95.0
No Leisure Time for Physical Activity	98.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	75.0

Elderly	62.6
English Speaking	85.1
Foreign-born	56.2
Outdoor Workers	78.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	43.8
Traffic Density	34.5
Traffic Access	87.4
Other Indices	—
Hardship	0.6
Other Decision Support	—
2016 Voting	93.7

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	20.0
Healthy Places Index Score for Project Location (b)	99.0
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

Screen	Justification
Land Use	Project Description
Construction: Construction Phases	Adjusted to applicant schedule
Construction: On-Road Fugitive Dust	BAAQMD Guidance
Operations: Vehicle Data	ITE Code 571
Operations: Energy Use	All-electric design
Construction: Trips and VMT	See Appendix A for calculations

**UNMITIGATED Regional Construction Emissions Worksheet:**

<b>3.1. Demolition (2025) - Unmitigated</b>											
		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	2.86	2.40	22.20	19.92	0.03	0.92	0.92	0.84		0.84
	Demolition							1.00		0.15	0.15
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.38	0.00	0.04	0.04
	<b>Total</b>	<b>2.86</b>	<b>2.40</b>	<b>22.21</b>	<b>19.94</b>	<b>0.03</b>	<b>0.92</b>	<b>2.30</b>	<b>0.84</b>	<b>0.19</b>	<b>1.03</b>
Offsite	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.21	0.11	0.00	0.00	0.15	0.00	0.04	0.04
	Hauling	0.07	0.01	0.81	0.39	0.00	0.01	0.58	0.01	0.14	0.15
	<b>Total</b>	<b>0.14</b>	<b>0.07</b>	<b>1.06</b>	<b>1.17</b>	<b>0.01</b>	<b>0.01</b>	<b>1.29</b>	<b>0.01</b>	<b>0.32</b>	<b>0.33</b>
<b>TOTAL</b>	<b>3.00</b>	<b>2.47</b>	<b>23.27</b>	<b>21.10</b>	<b>0.04</b>	<b>0.93</b>	<b>3.59</b>	<b>0.85</b>	<b>0.51</b>	<b>1.37</b>	
Onsite		<b>Winter</b>									
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Demolition	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
Onsite		<b>MAX</b>									
	Off-Road Equipment	2.86	2.40	22.20	19.92	0.03	0.92	0.92	0.84	0.00	0.84
	Demolition	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.15	0.15
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.38	0.00	0.04	0.04
	<b>Total</b>	<b>2.86</b>	<b>2.40</b>	<b>22.21</b>	<b>19.94</b>	<b>0.03</b>	<b>0.92</b>	<b>2.30</b>	<b>0.84</b>	<b>0.19</b>	<b>1.03</b>
Offsite	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.21	0.11	0.00	0.00	0.15	0.00	0.04	0.04
	Hauling	0.07	0.01	0.81	0.39	0.00	0.01	0.58	0.01	0.14	0.15
	<b>Total</b>	<b>0.14</b>	<b>0.07</b>	<b>1.06</b>	<b>1.17</b>	<b>0.01</b>	<b>0.01</b>	<b>1.29</b>	<b>0.01</b>	<b>0.32</b>	<b>0.33</b>
<b>TOTAL</b>	<b>3.00</b>	<b>2.47</b>	<b>23.27</b>	<b>21.10</b>	<b>0.04</b>	<b>0.93</b>	<b>3.59</b>	<b>0.85</b>	<b>0.51</b>	<b>1.37</b>	

<b>3.3. Site Preparation (2025) - Unmitigated</b>											
		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	3.94	3.31	31.64	30.18	0.05	1.37	1.37	1.26		1.26
	Dust From Material Movement							7.67		3.94	3.94
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.53	0.00	0.05	0.05
	<b>Total</b>	<b>3.94</b>	<b>3.31</b>	<b>31.66</b>	<b>30.19</b>	<b>0.05</b>	<b>1.37</b>	<b>9.57</b>	<b>1.26</b>	<b>3.99</b>	<b>5.25</b>
Offsite	Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.00	0.17	0.17
	Vendor	0.02	0.01	0.27	0.14	0.00	0.00	0.19	0.00	0.05	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.09</b>	<b>0.07</b>	<b>0.32</b>	<b>0.94</b>	<b>0.00</b>	<b>0.00</b>	<b>0.87</b>	<b>0.00</b>	<b>0.22</b>	<b>0.22</b>
<b>TOTAL</b>	<b>4.03</b>	<b>3.38</b>	<b>31.98</b>	<b>31.12</b>	<b>0.05</b>	<b>1.37</b>	<b>10.44</b>	<b>1.26</b>	<b>4.21</b>	<b>5.47</b>	
Onsite		<b>Winter</b>									
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Dust From Material Movement	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
Onsite		<b>MAX</b>									
	Off-Road Equipment	3.94	3.31	31.64	30.18	0.05	1.37	1.37	1.26	0.00	1.26
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.00	3.94	3.94
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.53	0.00	0.05	0.05
	<b>Total</b>	<b>3.94</b>	<b>3.31</b>	<b>31.66</b>	<b>30.19</b>	<b>0.05</b>	<b>1.37</b>	<b>9.57</b>	<b>1.26</b>	<b>3.99</b>	<b>5.25</b>
Offsite	Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.00	0.17	0.17
	Vendor	0.02	0.01	0.27	0.14	0.00	0.00	0.19	0.00	0.05	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.09</b>	<b>0.07</b>	<b>0.32</b>	<b>0.94</b>	<b>0.00</b>	<b>0.00</b>	<b>0.87</b>	<b>0.00</b>	<b>0.22</b>	<b>0.22</b>
<b>TOTAL</b>	<b>4.03</b>	<b>3.38</b>	<b>31.98</b>	<b>31.12</b>	<b>0.05</b>	<b>1.37</b>	<b>10.44</b>	<b>1.26</b>	<b>4.21</b>	<b>5.47</b>	

**3.5. Grading (2025) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	2.07	1.74	16.27	17.91	0.03	0.72	0.72	0.66		0.66
	Dust From Material Movement							2.76		1.34	1.34
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.46	0.00	0.05	0.05
	<b>Total</b>	<b>2.08</b>	<b>1.74</b>	<b>16.29</b>	<b>17.93</b>	<b>0.03</b>	<b>0.72</b>	<b>3.94</b>	<b>0.66</b>	<b>1.38</b>	<b>2.05</b>
Offsite											
	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.24	0.12	0.00	0.00	0.17	0.00	0.04	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.07</b>	<b>0.06</b>	<b>0.28</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>	<b>0.00</b>	<b>0.18</b>	<b>0.19</b>
<b>TOTAL</b>		<b>2.15</b>	<b>1.80</b>	<b>16.57</b>	<b>18.71</b>	<b>0.03</b>	<b>0.72</b>	<b>4.68</b>	<b>0.67</b>	<b>1.56</b>	<b>2.23</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Dust From Material Movement	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite											
	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	2.07	1.74	16.27	17.91	0.03	0.72	0.72	0.66	0.00	0.66
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.00	1.34	1.34
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.46	0.00	0.05	0.05
	<b>Total</b>	<b>2.08</b>	<b>1.74</b>	<b>16.29</b>	<b>17.93</b>	<b>0.03</b>	<b>0.72</b>	<b>3.94</b>	<b>0.66</b>	<b>1.38</b>	<b>2.05</b>
Offsite											
	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.24	0.12	0.00	0.00	0.17	0.00	0.04	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.07</b>	<b>0.06</b>	<b>0.28</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>	<b>0.00</b>	<b>0.18</b>	<b>0.19</b>
<b>TOTAL</b>		<b>2.15</b>	<b>1.80</b>	<b>16.57</b>	<b>18.71</b>	<b>0.03</b>	<b>0.72</b>	<b>4.68</b>	<b>0.67</b>	<b>1.56</b>	<b>2.23</b>

**3.7. Building Construction (2025) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	1.35	1.13	10.44	13.04	0.02	0.43	0.43	0.40		0.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.35</b>	<b>1.13</b>	<b>10.44</b>	<b>13.04</b>	<b>0.02</b>	<b>0.43</b>	<b>0.43</b>	<b>0.40</b>	<b>0.00</b>	<b>0.40</b>
Offsite											
	Worker	0.27	0.24	0.19	3.16	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.94	0.47	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.34</b>	<b>0.27</b>	<b>1.13</b>	<b>3.63</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.68</b>	<b>1.40</b>	<b>11.57</b>	<b>16.67</b>	<b>0.03</b>	<b>0.44</b>	<b>3.78</b>	<b>0.41</b>	<b>0.83</b>	<b>1.24</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	1.35	1.13	10.44	13.04	0.02	0.43	0.43	0.40		0.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.35</b>	<b>1.13</b>	<b>10.44</b>	<b>13.04</b>	<b>0.02</b>	<b>0.43</b>	<b>0.43</b>	<b>0.40</b>	<b>0.00</b>	<b>0.40</b>
Offsite											
	Worker	0.24	0.23	0.24	2.68	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.99	0.48	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.31</b>	<b>0.26</b>	<b>1.23</b>	<b>3.16</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.65</b>	<b>1.39</b>	<b>11.67</b>	<b>16.20</b>	<b>0.03</b>	<b>0.44</b>	<b>3.78</b>	<b>0.41</b>	<b>0.83</b>	<b>1.24</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	1.35	1.13	10.44	13.04	0.02	0.43	0.43	0.40	0.00	0.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.35</b>	<b>1.13</b>	<b>10.44</b>	<b>13.04</b>	<b>0.02</b>	<b>0.43</b>	<b>0.43</b>	<b>0.40</b>	<b>0.00</b>	<b>0.40</b>
Offsite											
	Worker	0.27	0.24	0.24	3.16	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.99	0.48	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.34</b>	<b>0.27</b>	<b>1.23</b>	<b>3.63</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.68</b>	<b>1.40</b>	<b>11.67</b>	<b>16.67</b>	<b>0.03</b>	<b>0.44</b>	<b>3.78</b>	<b>0.41</b>	<b>0.83</b>	<b>1.24</b>

**3.9. Building Construction (2026) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	1.28	1.07	9.85	12.97	0.02	0.38	0.38	0.35		0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.28</b>	<b>1.07</b>	<b>9.85</b>	<b>12.97</b>	<b>0.02</b>	<b>0.38</b>	<b>0.38</b>	<b>0.35</b>	<b>0.00</b>	<b>0.35</b>
Offsite											
	Worker	0.23	0.23	0.16	2.95	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.30</b>	<b>0.25</b>	<b>1.06</b>	<b>3.40</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.58</b>	<b>1.32</b>	<b>10.91</b>	<b>16.37</b>	<b>0.03</b>	<b>0.39</b>	<b>3.72</b>	<b>0.36</b>	<b>0.83</b>	<b>1.19</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	1.28	1.07	9.85	12.97	0.02	0.38	0.38	0.35		0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.28</b>	<b>1.07</b>	<b>9.85</b>	<b>12.97</b>	<b>0.02</b>	<b>0.38</b>	<b>0.38</b>	<b>0.35</b>	<b>0.00</b>	<b>0.35</b>
Offsite											
	Worker	0.23	0.20	0.21	2.49	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.95	0.46	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.16</b>	<b>2.95</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.57</b>	<b>1.29</b>	<b>11.02</b>	<b>15.91</b>	<b>0.03</b>	<b>0.39</b>	<b>3.72</b>	<b>0.36</b>	<b>0.83</b>	<b>1.19</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	1.28	1.07	9.85	12.97	0.02	0.38	0.38	0.35	0.00	0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.28</b>	<b>1.07</b>	<b>9.85</b>	<b>12.97</b>	<b>0.02</b>	<b>0.38</b>	<b>0.38</b>	<b>0.35</b>	<b>0.00</b>	<b>0.35</b>
Offsite											
	Worker	0.23	0.23	0.21	2.95	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.95	0.46	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.30</b>	<b>0.25</b>	<b>1.16</b>	<b>3.40</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.58</b>	<b>1.32</b>	<b>11.02</b>	<b>16.37</b>	<b>0.03</b>	<b>0.39</b>	<b>3.72</b>	<b>0.36</b>	<b>0.83</b>	<b>1.19</b>

**3.11. Building Construction (2027) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	1.23	1.03	9.39	12.94	0.02	0.34	0.34	0.31		0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.23</b>	<b>1.03</b>	<b>9.39</b>	<b>12.94</b>	<b>0.02</b>	<b>0.34</b>	<b>0.34</b>	<b>0.31</b>	<b>0.00</b>	<b>0.31</b>
Offsite											
	Worker	0.22	0.20	0.16	2.76	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.86	0.44	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.02</b>	<b>3.20</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.52</b>	<b>1.25</b>	<b>10.41</b>	<b>16.13</b>	<b>0.03</b>	<b>0.35</b>	<b>3.68</b>	<b>0.32</b>	<b>0.83</b>	<b>1.15</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	1.23	1.03	9.39	12.94	0.02	0.34	0.34	0.31		0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.23</b>	<b>1.03</b>	<b>9.39</b>	<b>12.94</b>	<b>0.02</b>	<b>0.34</b>	<b>0.34</b>	<b>0.31</b>	<b>0.00</b>	<b>0.31</b>
Offsite											
	Worker	0.22	0.19	0.19	2.32	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.28</b>	<b>0.21</b>	<b>1.09</b>	<b>2.77</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.51</b>	<b>1.24</b>	<b>10.48</b>	<b>15.71</b>	<b>0.03</b>	<b>0.35</b>	<b>3.68</b>	<b>0.32</b>	<b>0.83</b>	<b>1.15</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	1.23	1.03	9.39	12.94	0.02	0.34	0.34	0.31	0.00	0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.23</b>	<b>1.03</b>	<b>9.39</b>	<b>12.94</b>	<b>0.02</b>	<b>0.34</b>	<b>0.34</b>	<b>0.31</b>	<b>0.00</b>	<b>0.31</b>
Offsite											
	Worker	0.22	0.20	0.19	2.76	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.09</b>	<b>3.20</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>1.52</b>	<b>1.25</b>	<b>10.48</b>	<b>16.13</b>	<b>0.03</b>	<b>0.35</b>	<b>3.68</b>	<b>0.32</b>	<b>0.83</b>	<b>1.15</b>

**3.13. Paving (2027) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite			<b>Summer</b>								
	Off-Road Equipment	0.79	0.66	6.09	8.83	0.01	0.24	0.24	0.22		0.22
	Paving		0.08								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.79</b>	<b>0.74</b>	<b>6.09</b>	<b>8.83</b>	<b>0.01</b>	<b>0.24</b>	<b>0.24</b>	<b>0.22</b>	<b>0.00</b>	<b>0.22</b>
Offsite											
	Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.85</b>	<b>0.80</b>	<b>6.13</b>	<b>9.60</b>	<b>0.01</b>	<b>0.24</b>	<b>1.00</b>	<b>0.22</b>	<b>0.19</b>	<b>0.41</b>
Onsite			<b>Winter</b>								
	Off-Road Equipment	0.79	0.66	6.09	8.83	0.01	0.24	0.24	0.22		0.22
	Paving		0.08								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.79</b>	<b>0.74</b>	<b>6.09</b>	<b>8.83</b>	<b>0.01</b>	<b>0.24</b>	<b>0.24</b>	<b>0.22</b>	<b>0.00</b>	<b>0.22</b>
Offsite											
	Worker	0.06	0.05	0.05	0.65	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>	<b>0.65</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.85</b>	<b>0.80</b>	<b>6.14</b>	<b>9.48</b>	<b>0.01</b>	<b>0.24</b>	<b>1.00</b>	<b>0.22</b>	<b>0.19</b>	<b>0.41</b>
Onsite			<b>MAX</b>								
	Off-Road Equipment	0.79	0.66	6.09	8.83	0.01	0.24	0.24	0.22	0.00	0.22
	Paving	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.79</b>	<b>0.74</b>	<b>6.09</b>	<b>8.83</b>	<b>0.01</b>	<b>0.24</b>	<b>0.24</b>	<b>0.22</b>	<b>0.00</b>	<b>0.22</b>
Offsite											
	Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.85</b>	<b>0.80</b>	<b>6.14</b>	<b>9.60</b>	<b>0.01</b>	<b>0.24</b>	<b>1.00</b>	<b>0.22</b>	<b>0.19</b>	<b>0.41</b>

**3.15. Architectural Coating (2027) - Unmitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite			<b>Summer</b>								
	Off-Road Equipment	0.14	0.11	0.83	1.13	0.00	0.02	0.02	0.02		0.02
	Architectural Coatings		20.39								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.14</b>	<b>20.50</b>	<b>0.83</b>	<b>1.13</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>
Offsite											
	Worker	0.04	0.04	0.03	0.55	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.03</b>	<b>0.55</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.18</b>	<b>20.54</b>	<b>0.86</b>	<b>1.68</b>	<b>0.00</b>	<b>0.02</b>	<b>0.55</b>	<b>0.02</b>	<b>0.13</b>	<b>0.15</b>
Onsite			<b>Winter</b>								
	Off-Road Equipment	0.14	0.11	0.83	1.13	0.00	0.02	0.02	0.02		0.02
	Architectural Coatings		20.39								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.14</b>	<b>20.50</b>	<b>0.83</b>	<b>1.13</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>
Offsite											
	Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.18</b>	<b>20.54</b>	<b>0.87</b>	<b>1.59</b>	<b>0.00</b>	<b>0.02</b>	<b>0.55</b>	<b>0.02</b>	<b>0.13</b>	<b>0.15</b>
Onsite			<b>MAX</b>								
	Off-Road Equipment	0.14	0.11	0.83	1.13	0.00	0.02	0.02	0.02	0.00	0.02
	Architectural Coatings	0.00	20.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.14</b>	<b>20.50</b>	<b>0.83</b>	<b>1.13</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>
Offsite											
	Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.55</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.18</b>	<b>20.54</b>	<b>0.87</b>	<b>1.68</b>	<b>0.00</b>	<b>0.02</b>	<b>0.55</b>	<b>0.02</b>	<b>0.13</b>	<b>0.15</b>



Unmitigated PM10 Exhaust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM10 Exhaust	Daily Offsite PM10 Exhaust	(Adjusted) Daily Offsite PM10 Exhaust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM10 Exhaust	Total Offsite PM10 Exhaust <sup>2</sup>	
3.1. Demolition (2025) - Unmitigated	0.918	0.014	0.001	51	46.795	0.057	2025 Workdays
3.3. Site Preparation (2025) - Unmitigated	1.366	0.003	0.000	13	17.753	0.003	187
3.5. Grading (2025) - Unmitigated	0.722	0.002	0.000	20	14.441	0.004	2026 Workdays
3.7. Building Construction (2025) - Unmitigated	0.432	0.010	0.001	103	44.480	0.079	261
					2025 AVERAGE DAILY LBS	0.66026	0.00076
3.9. Building Construction (2026) - Unmitigated	0.379	0.010	0.001	261	98.829	0.199	206
					2026 AVERAGE DAILY LBS	0.37865	0.00076
3.11. Building Construction (2027) - Unmitigated	0.337	0.010	0.001	206	69.334	0.157	
3.13. Paving (2027) - Unmitigated	0.242	0.000	0.000	46	11.121	0.000	
3.15. Architectural Coating (2027) - Unmitigated	0.019	0.000	0.000	46	0.876	0.000	
					2027 AVERAGE DAILY LBS	0.39481	0.00076
<b>TOTALS</b>	<b>4.413</b>	<b>0.048</b>	<b>0.004</b>	<b>654</b>	<b>303.629</b>	<b>0.499</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.46426</b>	<b>0.00076</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

Unmitigated PM2.5 Exhaust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM2.5 Exhaust	Daily Offsite PM2.5 Exhaust	(Adjusted) Daily Offsite PM2.5 Exhaust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM2.5 Exhaust	Total Offsite PM2.5 Exhaust <sup>2</sup>	
3.1. Demolition (2025) - Unmitigated	0.844	0.010	0.001	51	43.051	0.041	
3.3. Site Preparation (2025) - Unmitigated	1.256	0.003	0.000	13	16.333	0.003	
3.5. Grading (2025) - Unmitigated	0.664	0.002	0.000	20	13.285	0.004	
3.7. Building Construction (2025) - Unmitigated	0.397	0.010	0.001	103	40.921	0.079	
					2025 AVERAGE DAILY LBS	0.60743	0.00068
3.9. Building Construction (2026) - Unmitigated	0.348	0.010	0.001	261	90.922	0.199	
					2026 AVERAGE DAILY LBS	0.34836	0.00076
3.11. Building Construction (2027) - Unmitigated	0.310	0.010	0.001	206	63.788	0.157	
3.13. Paving (2027) - Unmitigated	0.222	0.000	0.000	46	10.231	0.000	
3.15. Architectural Coating (2027) - Unmitigated	0.018	0.000	0.000	46	0.806	0.000	
					2027 AVERAGE DAILY LBS	0.36323	0.00076
<b>TOTALS</b>	<b>4.060</b>	<b>0.044</b>	<b>0.004</b>	<b>654</b>	<b>279.337</b>	<b>0.482</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.42712</b>	<b>0.00074</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

Unmitigated PM2.5 Dust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM2.5 Dust	Daily Offsite PM2.5 Dust	(Adjusted) Daily Offsite PM2.5 Dust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM2.5 Dust	Total Offsite PM2.5 Dust <sup>2</sup>	
3.1. Demolition (2025) - Unmitigated	0.190	0.322	0.026	51	9.687	1.314	
3.3. Site Preparation (2025) - Unmitigated	3.993	0.216	0.017	13	51.914	0.225	
3.5. Grading (2025) - Unmitigated	1.382	0.183	0.015	20	27.633	0.292	
3.7. Building Construction (2025) - Unmitigated	0.000	0.829	0.066	103	0.000	6.827	
					2025 AVERAGE DAILY LBS	0.47718	0.04630
3.9. Building Construction (2026) - Unmitigated	0.000	0.829	0.066	261	0.000	17.300	
					2026 AVERAGE DAILY LBS	0.00000	0.06628
3.11. Building Construction (2027) - Unmitigated	0.000	0.829	0.066	206	0.000	13.654	
3.13. Paving (2027) - Unmitigated	0.000	0.186	0.015	46	0.000	0.683	
3.15. Architectural Coating (2027) - Unmitigated	0.000	0.132	0.011	46	0.000	0.485	
					2027 AVERAGE DAILY LBS	0.00000	0.07195
<b>TOTALS</b>	<b>5.565</b>	<b>3.524</b>	<b>0.282</b>	<b>654</b>	<b>89.233</b>	<b>40.780</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.13644</b>	<b>0.06235</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

### MITIGATED Regional Construction Emissions Worksheet:

#### 3.2. Demolition (2025) - Mitigated

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite	<b>Summer</b>										
	Off-Road Equipment	0.36	0.36	4.51	18.17	0.03	0.06	0.06	0.06		0.06
	Demolition							1.00		0.15	0.15
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.38	0.00	0.04	0.04
	<b>Total</b>	<b>0.36</b>	<b>0.36</b>	<b>4.52</b>	<b>18.19</b>	<b>0.03</b>	<b>0.06</b>	<b>1.45</b>	<b>0.06</b>	<b>0.19</b>	<b>0.25</b>
Offsite	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.21	0.11	0.00	0.00	0.15	0.00	0.04	0.04
	Hauling	0.07	0.01	0.81	0.39	0.00	0.01	0.58	0.01	0.14	0.15
	<b>Total</b>	<b>0.14</b>	<b>0.07</b>	<b>1.06</b>	<b>1.17</b>	<b>0.01</b>	<b>0.01</b>	<b>1.29</b>	<b>0.01</b>	<b>0.32</b>	<b>0.33</b>
<b>TOTAL</b>	<b>0.50</b>	<b>0.43</b>	<b>5.58</b>	<b>19.35</b>	<b>0.04</b>	<b>0.08</b>	<b>2.74</b>	<b>0.07</b>	<b>0.51</b>	<b>0.59</b>	
Onsite	<b>Winter</b>										
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Demolition	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
Onsite	<b>MAX</b>										
	Off-Road Equipment	0.36	0.36	4.51	18.17	0.03	0.06	0.06	0.06	0.00	0.06
	Demolition	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.15	0.15
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.38	0.00	0.04	0.04
	<b>Total</b>	<b>0.36</b>	<b>0.36</b>	<b>4.52</b>	<b>18.19</b>	<b>0.03</b>	<b>0.06</b>	<b>1.45</b>	<b>0.06</b>	<b>0.19</b>	<b>0.25</b>
Offsite	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.21	0.11	0.00	0.00	0.15	0.00	0.04	0.04
	Hauling	0.07	0.01	0.81	0.39	0.00	0.01	0.58	0.01	0.14	0.15
	<b>Total</b>	<b>0.14</b>	<b>0.07</b>	<b>1.06</b>	<b>1.17</b>	<b>0.01</b>	<b>0.01</b>	<b>1.29</b>	<b>0.01</b>	<b>0.32</b>	<b>0.33</b>
<b>TOTAL</b>	<b>0.50</b>	<b>0.43</b>	<b>5.58</b>	<b>19.35</b>	<b>0.04</b>	<b>0.08</b>	<b>2.74</b>	<b>0.07</b>	<b>0.51</b>	<b>0.59</b>	

#### 3.4. Site Preparation (2025) - Mitigated

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite	<b>Summer</b>										
	Off-Road Equipment	0.50	0.50	2.59	28.31	0.05	0.10	0.10	0.10		0.10
	Dust From Material Movement							7.67		3.94	3.94
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.53	0.00	0.05	0.05
	<b>Total</b>	<b>0.50</b>	<b>0.50</b>	<b>2.61</b>	<b>28.32</b>	<b>0.05</b>	<b>0.10</b>	<b>8.30</b>	<b>0.10</b>	<b>3.99</b>	<b>4.09</b>
Offsite	Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.00	0.17	0.17
	Vendor	0.02	0.01	0.27	0.14	0.00	0.00	0.19	0.00	0.05	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.09</b>	<b>0.07</b>	<b>0.32</b>	<b>0.94</b>	<b>0.00</b>	<b>0.00</b>	<b>0.87</b>	<b>0.00</b>	<b>0.22</b>	<b>0.22</b>
<b>TOTAL</b>	<b>0.59</b>	<b>0.57</b>	<b>2.93</b>	<b>29.26</b>	<b>0.05</b>	<b>0.10</b>	<b>9.17</b>	<b>0.10</b>	<b>4.21</b>	<b>4.31</b>	
Onsite	<b>Winter</b>										
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Dust From Material Movement	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
Onsite	<b>MAX</b>										
	Off-Road Equipment	0.50	0.50	2.59	28.31	0.05	0.10	0.10	0.10	0.00	0.10
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.00	3.94	3.94
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.53	0.00	0.05	0.05
	<b>Total</b>	<b>0.50</b>	<b>0.50</b>	<b>2.61</b>	<b>28.32</b>	<b>0.05</b>	<b>0.10</b>	<b>8.30</b>	<b>0.10</b>	<b>3.99</b>	<b>4.09</b>
Offsite	Worker	0.07	0.06	0.05	0.80	0.00	0.00	0.68	0.00	0.17	0.17
	Vendor	0.02	0.01	0.27	0.14	0.00	0.00	0.19	0.00	0.05	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.09</b>	<b>0.07</b>	<b>0.32</b>	<b>0.94</b>	<b>0.00</b>	<b>0.00</b>	<b>0.87</b>	<b>0.00</b>	<b>0.22</b>	<b>0.22</b>
<b>TOTAL</b>	<b>0.59</b>	<b>0.57</b>	<b>2.93</b>	<b>29.26</b>	<b>0.05</b>	<b>0.10</b>	<b>9.17</b>	<b>0.10</b>	<b>4.21</b>	<b>4.31</b>	

**3.6. Grading (2025) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	0.29	0.29	2.04	17.77	0.03	0.06	0.06	0.06		0.06
	Dust From Material Movement							2.76		1.34	1.34
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.46	0.00	0.05	0.05
	<b>Total</b>	<b>0.29</b>	<b>0.29</b>	<b>2.06</b>	<b>17.78</b>	<b>0.03</b>	<b>0.06</b>	<b>3.28</b>	<b>0.06</b>	<b>1.38</b>	<b>1.44</b>
Offsite											
	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.24	0.12	0.00	0.00	0.17	0.00	0.04	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.07</b>	<b>0.06</b>	<b>0.28</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>	<b>0.00</b>	<b>0.18</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.36</b>	<b>0.35</b>	<b>2.34</b>	<b>18.57</b>	<b>0.03</b>	<b>0.06</b>	<b>4.01</b>	<b>0.06</b>	<b>1.56</b>	<b>1.62</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	-	-	-	-	-	-	-	-	-	-
	Dust From Material Movement	-	-	-	-	-	-	-	-	-	-
	Onsite truck	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite											
	Worker	-	-	-	-	-	-	-	-	-	-
	Vendor	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	0.29	0.29	2.04	17.77	0.03	0.06	0.06	0.06	0.00	0.06
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.00	1.34	1.34
	Onsite truck	0.00	0.00	0.02	0.01	0.00	0.00	0.46	0.00	0.05	0.05
	<b>Total</b>	<b>0.29</b>	<b>0.29</b>	<b>2.06</b>	<b>17.78</b>	<b>0.03</b>	<b>0.06</b>	<b>3.28</b>	<b>0.06</b>	<b>1.38</b>	<b>1.44</b>
Offsite											
	Worker	0.06	0.05	0.04	0.67	0.00	0.00	0.57	0.00	0.14	0.14
	Vendor	0.02	0.01	0.24	0.12	0.00	0.00	0.17	0.00	0.04	0.05
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.07</b>	<b>0.06</b>	<b>0.28</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>	<b>0.00</b>	<b>0.18</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.36</b>	<b>0.35</b>	<b>2.34</b>	<b>18.57</b>	<b>0.03</b>	<b>0.06</b>	<b>4.01</b>	<b>0.06</b>	<b>1.56</b>	<b>1.62</b>

**3.8. Building Construction (2025) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite		<b>Summer</b>									
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite											
	Worker	0.27	0.24	0.19	3.16	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.94	0.47	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.34</b>	<b>0.27</b>	<b>1.13</b>	<b>3.63</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>0.57</b>	<b>0.50</b>	<b>3.16</b>	<b>17.93</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>
Onsite		<b>Winter</b>									
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite											
	Worker	0.24	0.23	0.24	2.68	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.99	0.48	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.31</b>	<b>0.26</b>	<b>1.23</b>	<b>3.16</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>0.54</b>	<b>0.49</b>	<b>3.26</b>	<b>17.46</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>
Onsite		<b>MAX</b>									
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04	0.00	0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite											
	Worker	0.27	0.24	0.24	3.16	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.03	0.99	0.48	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.34</b>	<b>0.27</b>	<b>1.23</b>	<b>3.63</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>		<b>0.57</b>	<b>0.50</b>	<b>3.26</b>	<b>17.93</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>

**3.10. Building Construction (2026) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite	<b>Summer</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.23	0.23	0.16	2.95	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.30</b>	<b>0.25</b>	<b>1.06</b>	<b>3.40</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.53</b>	<b>0.48</b>	<b>3.09</b>	<b>17.70</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	
Onsite	<b>Winter</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.23	0.20	0.21	2.49	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.95	0.46	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.16</b>	<b>2.95</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.52</b>	<b>0.45</b>	<b>3.19</b>	<b>17.25</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	
Onsite	<b>MAX</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04	0.00	0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.23	0.23	0.21	2.95	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.07	0.02	0.95	0.46	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.30</b>	<b>0.25</b>	<b>1.16</b>	<b>3.40</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.53</b>	<b>0.48</b>	<b>3.19</b>	<b>17.70</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	

**3.12. Building Construction (2027) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite	<b>Summer</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.22	0.20	0.16	2.76	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.86	0.44	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.02</b>	<b>3.20</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.52</b>	<b>0.45</b>	<b>3.05</b>	<b>17.50</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	
Onsite	<b>Winter</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04		0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.22	0.19	0.19	2.32	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.28</b>	<b>0.21</b>	<b>1.09</b>	<b>2.77</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.51</b>	<b>0.44</b>	<b>3.12</b>	<b>17.07</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	
Onsite	<b>MAX</b>										
	Off-Road Equipment	0.23	0.23	2.03	14.30	0.02	0.04	0.04	0.04	0.00	0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.23</b>	<b>2.03</b>	<b>14.30</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.04</b>
Offsite	Worker	0.22	0.20	0.19	2.76	0.00	0.00	2.68	0.00	0.66	0.66
	Vendor	0.06	0.02	0.90	0.45	0.00	0.01	0.67	0.01	0.17	0.18
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.29</b>	<b>0.22</b>	<b>1.09</b>	<b>3.20</b>	<b>0.00</b>	<b>0.01</b>	<b>3.35</b>	<b>0.01</b>	<b>0.83</b>	<b>0.84</b>
<b>TOTAL</b>	<b>0.52</b>	<b>0.45</b>	<b>3.12</b>	<b>17.50</b>	<b>0.03</b>	<b>0.05</b>	<b>3.39</b>	<b>0.05</b>	<b>0.83</b>	<b>0.88</b>	

**3.14. Paving (2027) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite			<b>Summer</b>								
	Off-Road Equipment	0.23	0.21	2.14	9.35	0.01	0.05	0.05	0.05		0.05
	Paving		0.08								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.29</b>	<b>2.14</b>	<b>9.35</b>	<b>0.01</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>
Offsite											
	Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.29</b>	<b>0.35</b>	<b>2.18</b>	<b>10.13</b>	<b>0.01</b>	<b>0.05</b>	<b>0.80</b>	<b>0.05</b>	<b>0.19</b>	<b>0.23</b>
Onsite			<b>Winter</b>								
	Off-Road Equipment	0.23	0.21	2.14	9.35	0.01	0.05	0.05	0.05		0.05
	Paving		0.08								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.29</b>	<b>2.14</b>	<b>9.35</b>	<b>0.01</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>
Offsite											
	Worker	0.06	0.05	0.05	0.65	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>	<b>0.65</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.29</b>	<b>0.35</b>	<b>2.19</b>	<b>10.00</b>	<b>0.01</b>	<b>0.05</b>	<b>0.80</b>	<b>0.05</b>	<b>0.19</b>	<b>0.23</b>
Onsite			<b>MAX</b>								
	Off-Road Equipment	0.23	0.21	2.14	9.35	0.01	0.05	0.05	0.05	0.00	0.05
	Paving	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.23</b>	<b>0.29</b>	<b>2.14</b>	<b>9.35</b>	<b>0.01</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>
Offsite											
	Worker	0.06	0.06	0.05	0.78	0.00	0.00	0.75	0.00	0.19	0.19
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.19</b>	<b>0.19</b>
<b>TOTAL</b>		<b>0.29</b>	<b>0.35</b>	<b>2.19</b>	<b>10.13</b>	<b>0.01</b>	<b>0.05</b>	<b>0.80</b>	<b>0.05</b>	<b>0.19</b>	<b>0.23</b>

**3.16. Architectural Coating (2027) - Mitigated**

		TOG	ROG	NOx	CO	SO <sub>2</sub>	PM10 Exhaust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5Total
Onsite			<b>Summer</b>								
	Off-Road Equipment	0.02	0.02	0.65	0.96	0.00	0.00	0.00	0.00		0.00
	Architectural Coatings		20.39								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.02</b>	<b>20.41</b>	<b>0.65</b>	<b>0.96</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite											
	Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.06</b>	<b>20.45</b>	<b>0.68</b>	<b>1.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
Onsite			<b>Winter</b>								
	Off-Road Equipment	0.02	0.02	0.65	0.96	0.00	0.00	0.00	0.00		0.00
	Architectural Coatings		20.39								
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.02</b>	<b>20.41</b>	<b>0.65</b>	<b>0.96</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite											
	Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.06</b>	<b>20.45</b>	<b>0.68</b>	<b>1.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
Onsite			<b>MAX</b>								
	Off-Road Equipment	0.02	0.02	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00
	Architectural Coatings	0.00	20.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.02</b>	<b>20.41</b>	<b>0.65</b>	<b>0.96</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite											
	Worker	0.04	0.04	0.04	0.46	0.00	0.00	0.54	0.00	0.13	0.13
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>
<b>TOTAL</b>		<b>0.06</b>	<b>20.45</b>	<b>0.68</b>	<b>1.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.13</b>	<b>0.13</b>



Mitigated PM10 Exhaust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM10 Exhaust	Daily Offsite PM10 Exhaust	(Adjusted) Daily Offsite PM10 Exhaust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM10 Exhaust	Total Offsite PM10 Exhaust <sup>2</sup>	
3.2. Demolition (2025) - Mitigated	0.063	0.014	0.001	51	3.230	0.057	2025 Workdays
3.4. Site Preparation (2025) - Mitigated	0.100	0.003	0.000	13	1.296	0.003	187
3.6. Grading (2025) - Mitigated	0.056	0.002	0.000	20	1.111	0.004	2026 Workdays
3.8. Building Construction (2025) - Mitigated	0.043	0.010	0.001	103	4.444	0.079	261
					2025 AVERAGE DAILY LBS	0.05391	0.00076
3.10. Building Construction (2026) - Mitigated	0.043	0.010	0.001	261	11.260	0.199	206
					2026 AVERAGE DAILY LBS	0.04314	0.00076
3.12. Building Construction (2027) - Mitigated	0.043	0.010	0.001	206	8.887	0.157	
3.14. Paving (2027) - Mitigated	0.048	0.000	0.000	46	2.196	0.000	
3.16. Architectural Coating (2027) - Mitigated	0.002	0.000	0.000	46	0.108	0.000	
					2027 AVERAGE DAILY LBS	0.05433	0.00076
<b>TOTALS</b>	<b>0.398</b>	<b>0.048</b>	<b>0.004</b>	<b>654</b>	<b>32.532</b>	<b>0.499</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.04974</b>	<b>0.00076</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

Mitigated PM2.5 Exhaust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM2.5 Exhaust	Daily Offsite PM2.5 Exhaust	(Adjusted) Daily Offsite PM2.5 Exhaust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM2.5 Exhaust	Total Offsite PM2.5 Exhaust <sup>2</sup>	
3.2. Demolition (2025) - Mitigated	0.063	0.010	0.001	51	3.229	0.041	
3.4. Site Preparation (2025) - Mitigated	0.100	0.003	0.000	13	1.296	0.003	
3.6. Grading (2025) - Mitigated	0.056	0.002	0.000	20	1.110	0.004	
3.8. Building Construction (2025) - Mitigated	0.043	0.010	0.001	103	4.444	0.079	
					2025 AVERAGE DAILY LBS	0.05390	0.00068
3.10. Building Construction (2026) - Mitigated	0.043	0.010	0.001	261	11.260	0.199	
					2026 AVERAGE DAILY LBS	0.04314	0.00076
3.12. Building Construction (2027) - Mitigated	0.043	0.010	0.001	206	8.887	0.157	
3.14. Paving (2027) - Mitigated	0.046	0.000	0.000	46	2.107	0.000	
3.16. Architectural Coating (2027) - Mitigated	0.002	0.000	0.000	46	0.108	0.000	
					2027 AVERAGE DAILY LBS	0.05390	0.00076
<b>TOTALS</b>	<b>0.396</b>	<b>0.044</b>	<b>0.004</b>	<b>654</b>	<b>32.441</b>	<b>0.482</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.04960</b>	<b>0.00074</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

Mitigated PM2.5 Dust Emissions (Pounds) <sup>1</sup>	Daily Onsite PM2.5 Dust	Daily Offsite PM2.5 Dust	(Adjusted) Daily Offsite PM2.5 Dust <sup>2</sup>	Total Workdays <sup>3</sup>	Total Onsite PM2.5 Dust	Total Offsite PM2.5 Dust <sup>2</sup>	
3.2. Demolition (2025) - Mitigated	0.190	0.322	0.026	51	9.687	1.314	
3.4. Site Preparation (2025) - Mitigated	3.993	0.216	0.017	13	51.914	0.225	
3.6. Grading (2025) - Mitigated	1.382	0.183	0.015	20	27.633	0.292	
3.8. Building Construction (2025) - Mitigated	0.000	0.829	0.066	103	0.000	6.827	
					2025 AVERAGE DAILY LBS	0.47718	0.04630
3.10. Building Construction (2026) - Mitigated	0.000	0.829	0.066	261	0.000	17.300	
					2026 AVERAGE DAILY LBS	0.00000	0.06628
3.12. Building Construction (2027) - Mitigated	0.000	0.829	0.066	206	0.000	13.654	
3.14. Paving (2027) - Mitigated	0.000	0.186	0.015	46	0.000	0.683	
3.16. Architectural Coating (2027) - Mitigated	0.000	0.132	0.011	46	0.000	0.485	
					2027 AVERAGE DAILY LBS	0.00000	0.07195
<b>TOTALS</b>	<b>5.565</b>	<b>3.524</b>	<b>0.282</b>	<b>654</b>	<b>89.233</b>	<b>40.780</b>	
					<b>AVERAGE DAILY LBS</b>	<b>0.13644</b>	<b>0.06235</b>

Notes:

- The max seasonal daily emission rates (Winter vs Summer) were used for each daily emission estimate.
- Off-site Emissions shown herein account for a reduction in emissions to capture the emissions generated within 1,000 feet of the project site along identified hauling roadways (1.6 miles / 20 miles default hauling distance = 0.08 Adjustment Factor). The estimates provided in this table are used solely for the construction HRA.
- Total emissions are divided by total workdays. Workdays total may not add up due to the omission of days which overlap.

# 1. Health Risk Assessment

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## 1.1 CONSTRUCTION HEALTH RISK ASSESSMENT

The City of Mountain View is the lead agency for the proposed project to build a new Public Safety Building. The proposed project would remove the existing Mountain View Police Department (MVPD) building and associated parking lot and K-9 training area, and construct a new Public Safety Building, parking garage, shooting range, surface parking, and K-9 training area at the same location. In the eastern corner of the project site, 0.6-acre would remain undeveloped for future potential uses by the City.

The current MVPD building is 44,914 square feet, and the proposed Public Safety Building would be approximately 75,000 gross square feet. The proposed Public Safety Building would have a variety of offices and associated service rooms for police and fire activities. Some of the designated areas include an auditorium, offices, sleep quarters, lockers, and a fitness room. All new facilities would meet current state building standards and would be LEED certified. Currently, the administrative fire personnel operate out of the Mountain View Fire Department Station No. 1, and they would be relocated to the proposed Public Safety Building.

The project is preliminarily scheduled to start in April 2025 and be completed in October 2027. The Public Safety Building would be constructed in the first development phase, and after completion, the second development phase would remove the MVPD building and install the parking garage.

Construction activities would include building and asphalt demolition and excavation, site preparation and rough grading, building construction, paving, and architectural coating. Construction would take place from 7:00 am to 4:00 pm, Monday through Friday, as allowed by the Mountain View Municipal Code, Section 8.70, Construction Noise. The active construction and staging areas would be on the project site.

The latest version of the Bay Area Air Quality Management District (BAAQMD) CEQA Air Quality Guidelines recommends projects to evaluate the impacts of construction activities on nearby receptors (BAAQMD 2022). Project construction is anticipated to take place starting at the beginning of April 2025 and be completed in October 2027 (approximately 654 workdays). The nearest receptors to the project site include residents that are on-site and adjacent to the southern project boundary, students at Mountain View Academy approximately 785 feet southeast of the project site, and students at Khan Lab School adjacent to the western project boundary.

Because receptors, including sensitive receptors such as residents, are present in land uses near the project site, a site-specific construction HRA has been prepared for the proposed project. This HRA considers the health impact to nearby receptors (e.g., residents, workers, students) from construction emissions at the project site, including diesel equipment exhaust (diesel particulate matter or DPM) and particulate matter less than 2.5 microns (PM<sub>2.5</sub>).

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA 2005) and the Office of Environmental Health Hazard Assessment (OEHHA 2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

For residential receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed off-site residential receptors stood outdoors and are subject to DPM at their residence for 8 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day outdoors at their residences (USEPA 2011). This would result in lower exposures to construction related DPM emissions and lower estimated risk values.
- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA 2015).

For K-12 students, the following conservative assumptions were used:

- It was assumed that maximum exposed receptors stood outside and are subject to DPM for 8 hours per weekday and approximately 180 construction days per year.

For workers, the following conservative assumptions were used:

- It was assumed that maximum exposed receptors stood outside and are subject to DPM for 8 hours per weekday and approximately 250 construction days per year.

## 1.2 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

For this HRA, the BAAQMD significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0
- Incremental increase in average annual PM<sub>2.5</sub> concentration of greater than 0.3 µg/m<sup>3</sup>

The methodology used in this HRA is consistent with the following BAAQMD and the OEHHA guidance documents:

- BAAQMD. 2022. *California Environmental Quality Act (CEQA) Air Quality Guidelines*. April 2023.
- BAAQMD. 2016. *Planning Healthy Places*. May 2016.
- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*. February 2015.

Potential exposures to DPM and PM<sub>2.5</sub> from proposed project construction were evaluated for nearby receptors to the site. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds used for this HRA.

### 1.3 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2022.1. DPM emissions were based on the CalEEMod construction results, using maximum daily exhaust PM<sub>10</sub> emissions. The PM<sub>2.5</sub> emissions were taken from the CalEEMod output for maximum daily PM<sub>2.5</sub> exhaust and fugitive dust.

Construction of the proposed project was assumed to take place over approximately 22 months (654 workdays) from April 2025 to October 2027. The average daily emission rates from construction equipment used during the proposed project were determined by multiplying the maximum daily emissions for each construction activity by the duration of that activity, summing the total emissions from all construction activities, and dividing the summed total by the total construction workdays (654 days). The CalEEMod construction emissions output and emission rate calculations are provided in Attachment A.

### 1.4 DISPERSION MODELING

Air quality modeling was performed using the AERMOD atmospheric dispersion model to assess the impact of emitted compounds on sensitive receptors near the project. The model is a steady state Gaussian plume model and is an approved model by BAAQMD for estimating ground level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as area sources. The off-site mobile sources were modeled as line sources. The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction emission rates are those described in Section 1.3. Meteorological data obtained from the BAAQMD for the nearest representative meteorological station (Moffet Field Airport) with the five latest available years (2013 to 2017) of record were used to represent local weather conditions and prevailing winds.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. In addition, digital elevation model (DEM) data for the area were obtained and included in the model runs to account for complex terrain. An emission release height of 4.15 m was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 m was used, per California Air Resources Board (CARB) guidance (2000). For fugitive dust sources, an emission release height of 0 m was used to represent dust generated by ground disturbing activities and roadway dust re-entrainment.

To determine contaminant impacts during construction hours, the model's Season-Hour-Day (HRDOW) scalar option was invoked to predict flagpole-level concentrations (1.5 m) for construction emissions generated between the hours of 7:00 AM and 4:00 PM with a 1-hour lunch break.

A unit emission rate of 1 gram per second was used for all modeling runs. The unit emission rates were proportioned over the poly-area sources for on-site construction emissions and divided between the line volume sources for off-site hauling emissions. The maximum modeled concentrations from the output files were then multiplied by the emission rates calculated in Attachment A to obtain the maximum flagpole-level concentrations at the maximum exposed receptor (MER) for each receptor type. The air dispersion modeling predicted the MER for each receptor type near the project site include a residence approximately 40 feet south of the project site, worker receptors approximately 50 feet east of the project site, and K-12 student receptors approximately 460 feet west of the project site at Khan Lab School.

The MER locations are the receptor locations associated with the maximum predicted AERMOD concentrations resulting from the on-site construction emissions. The calculated on-site emission rates are approximately 3 to 4 orders of magnitude higher than the calculated off-site emission rates (see Attachment A). Therefore, the maximum concentrations associated with the on-site emission sources produce the highest overall MER concentrations and, consequently, highest calculated health risks.

The air dispersion model output for the emission sources is presented in Attachment A. The model output DPM and PM<sub>2.5</sub> concentrations from the construction emission sources are provided in Attachment A.

## 1.5 RISK CHARACTERIZATION

### 1.5.1 Carcinogenic Chemical Risk

A threshold of ten in one million ( $10 \times 10^{-6}$ ) has been established by OEHHA and recommended by BAAQMD and other air districts as a level posing no significant risk for exposures to carcinogens. Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ( $\mu\text{g}/\text{m}^3$ ) over a lifetime of 70 years.

Guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASFs) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day ( $\text{mg}/\text{kg}/\text{day}$ )<sup>-1</sup> to derive the cancer risk estimate. Therefore, to accommodate the unique exposures associated with the sensitive receptors, the following dose algorithm was used.

$$\text{Dose}_{\text{AIR,per age group}} = (C_{\text{air}} \times \text{EF} \times \left[\frac{\text{BR}}{\text{BW}}\right] \times A \times \text{CF})$$

Where:

- Dose<sub>AIR</sub> = dose by inhalation (mg/kg-day), per age group
- C<sub>air</sub> = concentration of contaminant in air ( $\mu\text{g}/\text{m}^3$ )
- EF = exposure frequency (number of days/365 days)

- BR/BW = daily breathing rate normalized to body weight (L/kg-day)
- A = inhalation absorption factor (default = 1)
- CF = conversion factor (1x10<sup>-6</sup>, µg to mg, L to m<sup>3</sup>)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. An exposure frequency (EF) of 0.96 is used for residential receptors to represent 350 days per year to allow for a two-week period away from home each year, an EF of 0.49 was used for K-12 student receptors to represent 180 school days a year where students would be at their respective campus, and an EF of 0.68 was used for worker receptors to represent 250 workdays per year (OEHHA 2015). A fraction of time at home (FAH) factor applied to residential and on-site UCC student-resident receptors. The 95<sup>th</sup> percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and FAH for the various age groups are provided herein:

<u>Age Groups</u>	<u>BR/BW (L/kg-day)</u>	<u>ED</u>	<u>ASF</u>	<u>FAH</u>
Third trimester	361	0.25	10	0.85
0-2 age group	1,090	0.95	10	0.85
3-9 age group	861	1.20	3	0.85
16-30 age group	335	1.20	1	0.85

To represent the unique characteristics of children and senior residents, the assessment employed the USEPA’s guidance to develop viable dose estimates based on reasonable maximum exposure, defined as the “highest exposure that is reasonably expected to occur” for a given receptor population. To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{\text{AT}}$$

Where:

- Dose<sub>AIR</sub> = dose by inhalation (mg/kg-day), per age group
- CPF = cancer potency factor, chemical-specific (mg/kg-day)<sup>-1</sup>
- ASF = age sensitivity factor, per age group
- FAH = fraction of time at home, per age group (for residential receptors only)
- ED = exposure duration (years)
- AT = averaging time period over which exposure duration is averaged (30 years)

The CPFs used in the assessment were obtained from OEHHA guidance. The excess lifetime cancer risks during the construction period to the maximally exposed resident were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in “chances per million” by multiplying the cancer risk by a factor of 1x10<sup>6</sup> (i.e., 1 million). The calculated results are provided in Attachment A.

## 1.5.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential non-cancer effects of chronic chemical exposures. Adverse health effects are evaluated by comparing the annual receptor level (flagpole) concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

The hazard index approach was used to quantify non-carcinogenic impacts. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). Target organs presented in regulatory guidance were used for each discrete chemical exposure. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. This ratio is summed for compounds affecting the same toxicological endpoint. A health hazard is presumed to exist where the total equals or exceeds one.

The chronic hazard analysis for DPM is provided in Attachment A. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

## 1.6 CONSTRUCTION HRA RESULTS

The calculated results are provided in Attachment A and the results are summarized in Table 1.

TABLE 1. CONSTRUCTION RISK SUMMARY - UNMITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
MER – Resident	70.03	0.06	0.06
MER – Worker	0.87	0.04	0.04
MER – K-12 Student	7.63	0.06	0.06
<i>BAAQMD Threshold</i>	<i>10</i>	<i>1.0</i>	<i>0.30</i>
Exceeds Threshold?	Yes	No	No

Note: Cancer risk calculated using 2015 OEHHA HRA Guidance Manual.

Cancer risk for the residential MER from project-related construction emissions was calculated to be approximately 70 in one million, which would exceed the 10 in one million significance threshold. Cancer risk for the worker and K-12 student receptors were calculated to be approximately 1 and 8 in one million, respectively, which would not exceed the 10 in one million significance threshold. In accordance with the latest 2015 OEHHA guidance, the calculated total cancer risk conservatively assumes that the residential MER consists of a pregnant woman in the third trimester that subsequently gives birth to an infant during the duration of construction; therefore, all calculated residential risk values were multiplied by a factor of 10. In addition, it was conservatively assumed that the residents were outdoors 8 hours a day, 261 construction days per year and exposed to all of the daily construction emissions.

For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint equaled less than one for each identified receptor. Therefore, chronic non-carcinogenic hazards are within acceptable limits. For all receptors, the maximum annual PM<sub>2.5</sub> concentration would not exceed the BAAQMD significance threshold.

Because cancer risk for the residential MER would exceed the BAAQMD significance threshold during project construction, the following measure is proposed:

**Mitigation Measure AQ-1.** The City of Mountain View shall specify in the construction bid that the project construction contractor(s) and subcontractor(s) comply with the following requirements for all off-road equipment used over the entire duration of the construction activities at the site:

- Use engines that meet either US EPA or California Air Resources Board (CARB) Tier 4 Final emission standards for engines that are greater than 25 horsepower. Ensure that all construction plans submitted to the City of Mountain View Building Division clearly show the selected emission reduction strategy for construction equipment over 25 horsepower.
- If Tier 4 Final equipment is not available for use for the project for a specific piece of off-road construction equipment, documentation shall be provided to the City demonstrating that such equipment is not available for the project. If Tier 4 Final equipment is not available, the construction contractor(s) and subcontractor(s) affected shall use Tier 4 Interim equipment instead. If Tier 4

Interim equipment is not available for use for the project for a specific piece of off-road construction equipment, documentation shall be provided to the City demonstrating that such equipment is not available for the project. If Tier 4 Interim equipment is not available, the construction contractor(s) and subcontractor(s) affected shall use Tier 3 equipment outfitted with a level 3 diesel particulate filter instead.

- Prohibit the use of generators except for electric alternatives. The City shall ensure that all construction plans submitted to the City of Mountain View Building Division clearly show the requirement to use power storage equipment or electric generators in lieu of fossil fuel powered generators.
- Maintain a list of all operating equipment in use on the project site for verification by the City or their designee. The construction equipment list shall state the makes, models, fuel type, and number of construction equipment on-site. All equipment shall be properly serviced and maintained in accordance with the manufacturer’s recommendations.
- Communicate with all sub-contractors in contracts and construction documents that all non-essential idling of construction equipment is restricted to 5 minutes or less in compliance with California Air Resources Board Rule 2449 and is responsible for ensuring that this requirement is met.

Mitigation Measure AQ-1 would reduce the proposed project’s localized construction emissions at the residential MER, as shown in the following Table 2. The results indicate that, with mitigation, cancer risk would be less than the BAAQMD’s significance thresholds at the residential MER, and all other receptors would be less than the BAAQMD’s significance thresholds during unmitigated project construction. Therefore, the proposed project would not expose nearby receptors to substantial concentrations of air pollutant emissions during construction, and this impact would be *less than significant* with mitigation.

**TABLE 2. CONSTRUCTION RISK SUMMARY - MITIGATED**

Receptor	Cancer Risk (per million)	Chronic Hazards	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
MER – Resident	7.58	0.01	<0.01
<i>BAAQMD Threshold</i>	<i>10</i>	<i>1.0</i>	<i>0.30</i>
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>

Note: Cancer risk calculated using 2015 OEHHA HRA Guidance Manual.

Risks incorporate Mitigation Measure AQ-1, which requires the use of construction equipment which meets USEPA Tier 4 Final engine requirements for equipment over 25 horsepower and prohibits fossil fuel powered generators.

## 1.7 CUMULATIVE COMMUNITY HEALTH RISK

In addition to a project-level HRA, BAAQMD recommends assessing the potential cumulative impacts from sources of TACs within 1,000 feet of a project. For the cumulative analysis, BAAQMD maintains several tools and databases for identifying risks at a particular location. The existing TACs that BAAQMD recommends including in a cumulative analysis include permitted stationary sources, marine sources, roadway sources, rail sources, and highway sources. Risks from permitted stationary sources within 1,000 feet of the project site can be identified using BAAQMD’s *Stationary Source Screening Map* (BAAQMD 2024). Risks from roadway sources are released periodically from the BAAQMD in the form of risk assessment screening tools (RAST), which were utilized in determining associated risks at the daycare MER during project construction. The daycare MER was utilized in the cumulative community risk assessment as it represents the greatest

impact to nearby receptors during project construction. No marine or rail risks are shown in the cumulative HRA as no marine or rail activities occur within 1,000 feet of the project site.

Table 3 summarizes the existing TAC source risks at the daycare MER from mitigated project construction emissions in combination with existing TAC sources within 1,000 feet of the project site. As shown therein, the proposed project's mitigated construction emissions combined with existing TAC emissions within 1,000 feet do not exceed the BAAQMD's cumulative community health risk significance thresholds at the daycare MER location, and this impact would be *less than significant* with mitigation.

**TABLE 3. CUMULATIVE COMMUNITY RISK SUMMARY**

Source	Source Type	Distance to MER <sup>1</sup>	Cancer Risk (per million)	Chronic Hazards	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
<b>Project Impacts</b>					
Mitigated Project Construction <sup>2</sup>	Diesel Construction Equipment	40	7.58	0.01	<0.01
<b>Permitted Stationary Source Impacts</b>					
City of Mountain View Fleet Services (Facility ID 14209)	Generator	525	0.06	<0.01	<0.01
City of Mountain View Fleet Services (Facility ID 14228) (Current Project Site)	Generator	60	-	-	-
250 Bryant (Facility ID 23027)	Generator	345	<0.01	<0.01	<0.01
<b>Rail Impacts</b>					
BAAQMD-provided Rail values <sup>3</sup>	Locomotives	-	22.85	0.01	0.03
<b>Roadway Impacts</b>					
BAAQMD-provided Roadway values <sup>3</sup>	Vehicles	-	9.93	0.03	0.24
<b>Cumulative Health Impacts</b>					
Cumulative Project Health Impacts			40.42	0.05	0.27
BAAQMD Threshold			100	10.0	0.80
<b>Exceeds Threshold?</b>			<b>No</b>	<b>No</b>	<b>No</b>

Notes: N/D = No Data; N/A = Not Applicable

<sup>1</sup> Values expressed in feet. Residential MER is a residence approximately 40 feet south of the project site.

<sup>2</sup> Includes Mitigation Measure AQ-1.

<sup>3</sup> BAAQMD-provided values correspond with risks experienced at the residential MER.

## 2. References

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**ATTACHMENT A**

**HEALTH RISK ASSESSMENT EMISSION CALCULATIONS, RISK  
CALCULATIONS, AND DISPERSION MODELING RESULTS**

Receptor Risk: Single Family Residence

Unmitigated Results

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Single Family Residence	Residential	3rd Trimester	24-Hour	Yes	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 581309.64 E, 4139047.73 N (Receptor ID R\_028).

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2025	4/15/2025	12/31/2025	8 Hours/Day	28,800	260	187	0.72
2026	1/1/2026	12/31/2026	8 Hours/Day	28,800	364	261	1.00
2027	1/1/2027	10/15/2027	8 Hours/Day	28,800	287	206	0.79
			8 Hours/Day	28,800			

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.60E-01	7.63E-04	2.80E+01	6.49E+00	2.91E-01	7.79E-05	2.91E-01
2026	3.79E-01	7.62E-04	2.80E+01	6.49E+00	1.67E-01	7.79E-05	1.67E-01
2027	3.95E-01	7.62E-04	2.80E+01	6.49E+00	1.74E-01	7.79E-05	1.74E-01
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		2.91E-01
	<b>Default Haul Distance:</b>	20 miles			Hazard Index:		0.058

Assumptions: DPM Emissions utilize PM10 Exhaust.

PM2.5 Concentrations

Year	PM2.5 Exhaust		PM2.5 Dust		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.07E-01	6.76E-04	4.77E-01	4.63E-02	3.15E-01	3.66E-06	3.15E-01
2026	3.48E-01	7.62E-04	0.00E+00	6.63E-02	5.81E-02	5.22E-06	5.81E-02
2027	3.63E-01	7.62E-04	0.00E+00	7.20E-02	6.32E-02	5.67E-06	6.32E-02
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		3.15E-01
	<b>Default Haul Distance:</b>	20 miles			Hazard Index:		0.063

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2025	0.25	0.47	0.00	0.00	0.00	0.00	0.72
2026	0.00	1.00	0.00	0.00	0.00	0.00	1.00
2027	0.00	0.53	0.26	0.00	0.00	0.00	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2025	361	1090					1451
2026		1090					1090
2027		1090	861				1951

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2025	3.36E-06	2.23E-05					25.65
2026		2.74E-05					27.41
2027		1.52E-05	1.73E-06				16.98
							0.00
<b>TOTAL RISK:</b>							<b>70.03</b>

Receptor Risk: Single Family Residence

Mitigated Results

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Single Family Residence	Residential	3rd Trimester	24-Hour	Yes	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 581309.64 E, 4139047.73 N (Receptor ID R\_028).

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2025	4/15/2025	12/31/2025	8 Hours/Day	28,800	260	187	0.72
2026	1/1/2026	12/31/2026	8 Hours/Day	28,800	364	261	1.00
2027	1/1/2027	10/15/2027	8 Hours/Day	28,800	287	206	0.79
			8 Hours/Day	28,800			

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	5.39E-02	7.63E-04	2.80E+01	6.49E+00	2.37E-02	7.79E-05	2.38E-02
2026	4.31E-02	7.62E-04	2.80E+01	6.49E+00	1.90E-02	7.79E-05	1.91E-02
2027	5.43E-02	7.62E-04	2.80E+01	6.49E+00	2.39E-02	7.79E-05	2.40E-02
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		2.40E-02
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.005</b>

Assumptions: DPM Emissions utilize PM10 Exhaust.

PM2.5 Concentrations

Year	PM2.5 Exhaust		PM2.5 Dust		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	5.39E-02	6.76E-04	4.77E-01	4.63E-02	1.26E-02	3.66E-06	1.26E-02
2026	4.31E-02	7.62E-04	0.00E+00	6.63E-02	8.20E-04	5.22E-06	8.25E-04
2027	5.39E-02	7.62E-04	0.00E+00	7.20E-02	1.29E-03	5.67E-06	1.30E-03
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		1.26E-02
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.003</b>

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2025	0.25	0.47	0.00	0.00	0.00	0.00	0.72
2026	0.00	1.00	0.00	0.00	0.00	0.00	1.00
2027	0.00	0.53	0.26	0.00	0.00	0.00	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2025	361	1090					1451
2026		1090					1090
2027		1090	861				1951

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2025	2.75E-07	1.83E-06					2.10
2026		3.13E-06					3.13
2027		2.10E-06	2.39E-07				2.34
							0.00
	<b>TOTAL RISK:</b>						<b>7.58</b>

Receptor Risk: K-12 Students

Unmitigated Results

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
K-12 Students	Elementary School	5	8-Hour	No	70 Years	1	Diesel Particulate Matter

Maximum Exposed Receptor (MER) UTM coordinates: 581100.77 E, 4139272.99 N (Receptor ID S\_016).

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2025	4/15/2025	12/31/2025	8 Hours/Day	28,800	260	187	0.72
2026	1/1/2026	12/31/2026	8 Hours/Day	28,800	364	261	1.00
2027	1/1/2027	10/15/2027	8 Hours/Day	28,800	287	206	0.79
			8 Hours/Day	28,800			

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.60E-01	7.63E-04	2.80E+01	6.49E+00	2.91E-01	7.79E-05	2.91E-01
2026	3.79E-01	7.62E-04	2.80E+01	6.49E+00	1.67E-01	7.79E-05	1.67E-01
2027	3.95E-01	7.62E-04	2.80E+01	6.49E+00	1.74E-01	7.79E-05	1.74E-01
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		2.91E-01
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.058</b>

Assumptions: DPM Emissions utilize PM10 Exhaust.

PM2.5 Concentrations

Year	PM2.5 Exhaust		PM2.5 Dust		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.07E-01	6.76E-04	4.77E-01	4.63E-02	3.15E-01	3.66E-06	3.15E-01
2026	3.48E-01	7.62E-04	0.00E+00	6.63E-02	5.81E-02	5.22E-06	5.81E-02
2027	3.63E-01	7.62E-04	0.00E+00	7.20E-02	6.32E-02	5.67E-06	6.32E-02
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		3.15E-01
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.063</b>

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2025	0.00	0.00	0.72	0.00	0.00	0.00	0.72
2026	0.00	0.00	1.00	0.00	0.00	0.00	1.00
2027	0.00	0.00	0.79	0.00	0.00	0.00	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2025			640				640
2026			640				640
2027			640				640

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2025			3.10E-06				3.10
2026			2.48E-06				2.48
2027			2.04E-06				2.04
							0.00
	<b>TOTAL RISK:</b>						<b>7.63</b>

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Worker	Worker	16+	8-Hour	No	70 Years	1	Diesel Particulate Matter

Maximum Exposed Receptor (MER) UTM coordinates: 581364.54 E, 4139074.98 N (Receptor ID W\_002).

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2025	4/15/2025	12/31/2025	8 Hours/Day	28,800	260	187	0.72
2026	1/1/2026	12/31/2026	8 Hours/Day	28,800	364	261	1.00
2027	1/1/2027	10/15/2027	8 Hours/Day	28,800	287	206	0.79
			8 Hours/Day	28,800			

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.60E-01	7.63E-04	1.83E+01	8.76E-01	1.91E-01	1.05E-05	1.91E-01
2026	3.79E-01	7.62E-04	1.83E+01	8.76E-01	1.09E-01	1.05E-05	1.09E-01
2027	3.95E-01	7.62E-04	1.83E+01	8.76E-01	1.14E-01	1.05E-05	1.14E-01
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		1.91E-01
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.038</b>

Assumptions: DPM Emissions utilize PM10 Exhaust.

PM2.5 Concentrations

Year	PM2.5 Exhaust		PM2.5 Dust		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2025	6.07E-01	6.76E-04	4.77E-01	4.63E-02	2.07E-01	4.94E-07	2.07E-01
2026	3.48E-01	7.62E-04	0.00E+00	6.63E-02	3.81E-02	7.05E-07	3.81E-02
2027	3.63E-01	7.62E-04	0.00E+00	7.20E-02	4.14E-02	7.65E-07	4.14E-02
	<b>Off-site Haul Distance:</b>	1.6 miles			Maximum Annual Average Concentration:		2.07E-01
	<b>Default Haul Distance:</b>	20 miles			<b>Hazard Index:</b>		<b>0.041</b>

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2025	0.00	0.00	0.00	0.00	0.72	0.00	0.72
2026	0.00	0.00	0.00	0.00	1.00	0.00	1.00
2027	0.00	0.00	0.00	0.00	0.79	0.00	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2025					240		240
2026					240		240
2027					240		240

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2025					3.53E-07		0.35
2026					2.82E-07		0.28
2027					2.32E-07		0.23
							0.00
	<b>TOTAL RISK:</b>						<b>0.87</b>

## Permitted Stationary Sources within 1,000 feet of the Project Site

Facility ID	Facility Name	Address	Source Type	Notes	Cancer Risk	Hazard Index	Annual PM2.5 Concentration
14209	City of Mountain View Fleet Services	251 So Shoreline Boulevard	Generator		0.56	0.00	0.00
14228	City of Mountain View Fleet Services	1000 Villa Street	Generator	Not present during construction.	9.08	0.00	0.01
23027	250 Bryant	250 Bryant Street	Generator		0.001	0	0

## Existing Permitted Stationary Source Risks Adjusted for Distance to MER

Facility ID	Facility Name	Address	Source Type	Distance to the MER (feet)	Cancer Risk (Adjusted)	Hazard Index (Adjusted)	Annual PM2.5 Concentration (Adjusted)
14209	City of Mountain View Fleet Services	251 So Shoreline Boulevard	Generator	525	0.06	0.00	0.00
14228	City of Mountain View Fleet Services	1000 Villa Street	Generator	60	0.00	0.00	0.00
23027	250 Bryant	250 Bryant Street	Generator	345	0.00	0.00	0.00

