Appendix B: Air Quality, GHG, and Energy Modeling Data

Appendices

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Emissions Worksheet

Regional Construction Emissions Worksheet:

3.2 Asphalt Demolition (2023)							
		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite							
	Off-Road Equipment	0.53	4.84	3.81	0.02	0.17	0.15
	Demolition					0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.53**	**4.84**	**3.81**	**0.02**	**0.17**	**0.15**
Offsite							
	Worker	0.02	0.03	0.41	0.00	< 0.005	0.00
	Vendor	0.06	1.99	1.00	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.08**	**2.02**	**1.41**	**0.01**	**0.11**	**0.06**
TOTAL		***0.61***	***6.86***	***5.22***	***0.03***	***0.28***	***0.21***
Onsite							
	Off-Road Equipment	0.01	0.07	0.05	< 0.005	< 0.005	< 0.005
	Demolition					0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.01**	**0.07**	**0.05**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	0.00
	Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.03**	**0.01**	**0.00**	**0.00**	**0.00**
TOTAL		***0.01***	***0.10***	***0.06***	***0.00***	***0.00***	***0.00***
Onsite							
	Off-Road	0.53	4.84	3.81	0.02	0.17	0.15
	Demolition	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
	Total	**0.53**	**4.84**	**3.81**	**0.02**	**0.17**	**0.15**
Offsite							
	Worker	0.02	0.03	0.41	0.00	0.00	0.00
	Vendor	0.06	1.99	1.00	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.08**	**2.02**	**1.41**	**0.01**	**0.11**	**0.06**
TOTAL		***0.61***	***6.86***	***5.22***	***0.03***	***0.28***	***0.21***

3.4 Asphalt Demolition Debris Haul (2023)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Demolition					8.66	1.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**8.66**	**1.31**
Offsite							
	Worker	0.01	0.01	0.16	0.00	< 0.005	0.00
	Vendor	0.08	2.63	1.33	0.01	0.15	0.07
	Hauling	0.41	24.50	9.24	0.12	1.75	0.70
	Total	**0.50**	**27.14**	**10.73**	**0.13**	**1.90**	**0.77**
TOTAL		***0.50***	***27.14***	***10.73***	***0.13***	***10.56***	***2.08***
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Demolition					0.12	0.02
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.12**	**0.02**
Offsite							
	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	0.00
	Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005
	Hauling	0.01	0.35	0.13	< 0.005	0.02	0.01
	Total	**0.01**	**0.39**	**0.15**	**0.00**	**0.02**	**0.01**
TOTAL		***0.01***	***0.39***	***0.15***	***0.00***	***0.14***	***0.03***
Onsite							
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Demolition	0.00	0.00	0.00	0.00	8.66	1.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**8.66**	**1.31**
Offsite							
	Hauling	0.01	0.01	0.16	0.00	0.00	0.00
	Vendor	0.08	2.63	1.33	0.01	0.15	0.07
	Worker	0.41	24.50	9.24	0.12	1.75	0.70
	Total	**0.50**	**27.14**	**10.73**	**0.13**	**1.90**	**0.77**
TOTAL		***0.50***	***27.14***	***10.73***	***0.13***	***10.56***	***2.08***

3.6 Rough Grading (2023)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	3.32	35.00	24.90	0.07	1.36	1.25
	Dust From Material Movement					3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**3.32**	**35.00**	**24.90**	**0.07**	**4.74**	**2.65**
Offsite							
	Worker	0.19	0.21	3.27	0.00	0.03	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.23**	**1.41**	**3.87**	**0.01**	**0.10**	**0.03**
TOTAL		***3.55***	***36.41***	***28.77***	***0.08***	***4.84***	***2.68***
Onsite							
	Off-Road Equipment	0.18	1.92	1.37	< 0.005	0.07	0.07
	Dust From Material Movement					0.19	0.08
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.18**	**1.92**	**1.37**	**0.00**	**0.26**	**0.15**
Offsite							
	Worker	0.01	0.01	0.16	0.00	< 0.005	0.00
	Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.01**	**0.08**	**0.19**	**0.00**	**0.00**	**0.00**
TOTAL		***0.19***	***2.00***	***1.56***	***0.00***	***0.26***	***0.15***
Onsite							
	Off-Road Equipment	3.32	35.00	24.90	0.07	1.36	1.25
	Dust From Material Movement	0.00	0.00	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**3.32**	**35.00**	**24.90**	**0.07**	**4.74**	**2.65**
Offsite							
	Hauling	0.19	0.21	3.27	0.00	0.03	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.23**	**1.41**	**3.87**	**0.01**	**0.10**	**0.03**
TOTAL		***3.55***	***36.41***	***28.77***	***0.08***	***4.84***	***2.68***

3.8 Rough Grading Soil Haul (2023)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Dust From Material Movement					0.01	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**
Offsite							
	Worker	0.07	0.08	1.23	0.00	0.01	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Hauling	0.10	5.82	2.20	0.03	0.42	0.17
	Total	**0.21**	**7.10**	**4.03**	**0.04**	**0.50**	**0.20**
TOTAL		***0.21***	***7.10***	***4.03***	***0.04***	***0.51***	***0.20***
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Dust From Material Movement					< 0.005	< 0.005
	Onsite truck	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**
Offsite							
	Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	0.00
	Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005
	Total	**0.00**	**0.06**	**0.03**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.06***	***0.03***	***0.00***	***0.00***	***0.00***
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.01	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**
Offsite							
	Hauling	0.07	0.08	1.23	0.00	0.01	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Worker	0.10	5.82	2.20	0.03	0.42	0.17
	Total	**0.21**	**7.10**	**4.03**	**0.04**	**0.50**	**0.20**
TOTAL		***0.21***	***7.10***	***4.03***	***0.04***	***0.51***	***0.20***

3.10 Fine Grading (2023)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	2.24	24.40	13.40	0.04	0.94	0.87
	Dust From Material Movement					3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**2.24**	**24.40**	**13.40**	**0.04**	**4.32**	**2.27**
Offsite							
	Worker	0.19	0.21	3.27	0.00	0.03	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.23**	**1.41**	**3.87**	**0.01**	**0.10**	**0.03**
TOTAL		***2.47***	***25.81***	***17.27***	***0.05***	***4.42***	***2.30***
Onsite							
	Off-Road Equipment	0.06	0.67	0.37	< 0.005	0.03	0.02
	Dust From Material Movement					0.09	0.04
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.06**	**0.67**	**0.37**	**0.00**	**0.12**	**0.06**
Offsite							
	Worker	0.01	0.01	0.08	0.00	< 0.005	0.00
	Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.01**	**0.04**	**0.10**	**0.00**	**0.00**	**0.00**
TOTAL		***0.07***	***0.71***	***0.47***	***0.00***	***0.12***	***0.06***
Onsite							
	Off-Road Equipment	2.24	24.40	13.40	0.04	0.94	0.87
	Dust From Material Movement	0.00	0.00	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**2.24**	**24.40**	**13.40**	**0.04**	**4.32**	**2.27**
Offsite							
	Hauling	0.19	0.21	3.27	0.00	0.03	0.00
	Vendor	0.04	1.20	0.60	0.01	0.07	0.03
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.23**	**1.41**	**3.87**	**0.01**	**0.10**	**0.03**
TOTAL		***2.47***	***25.81***	***17.27***	***0.05***	***4.42***	***2.30***

3.12 Building Construction (2023)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	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
	Total	**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***
Onsite							
	Off-Road Equipment	0.40	4.19	3.20	0.01	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.40**	**4.19**	**3.20**	**0.01**	**0.17**	**0.15**
Offsite							
	Worker	0.39	0.52	5.90	0.00	0.07	0.00
	Vendor	0.06	2.08	1.02	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.45**	**2.60**	**6.92**	**0.01**	**0.18**	**0.06**
TOTAL		***0.85***	***6.79***	***10.12***	***0.02***	***0.35***	***0.21***
Onsite							
	Off-Road Equipment	0.40	4.19	3.20	0.01	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.40**	**4.19**	**3.20**	**0.01**	**0.17**	**0.15**
Offsite							
	Worker	0.39	0.52	5.90	0.00	0.07	0.00
	Vendor	0.06	2.08	1.02	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.45**	**2.60**	**6.92**	**0.01**	**0.18**	**0.06**
TOTAL		***0.85***	***6.79***	***10.12***	***0.02***	***0.35***	***0.21***

3.14 Building Construction (2024)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.39	4.00	3.15	0.01	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.39**	**4.00**	**3.15**	**0.01**	**0.16**	**0.15**
Offsite							
	Worker	0.38	0.41	6.41	0.00	0.07	0.00
	Vendor	0.05	1.90	0.93	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.43**	**2.31**	**7.34**	**0.01**	**0.18**	**0.06**
TOTAL		***0.82***	***6.31***	***10.49***	***0.02***	***0.34***	***0.21***
Onsite							
	Off-Road Equipment	0.39	4.00	3.15	0.01	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.39**	**4.00**	**3.15**	**0.01**	**0.16**	**0.15**
Offsite							
	Worker	0.38	0.48	5.42	0.00	0.07	0.00
	Vendor	0.05	1.97	0.95	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.43**	**2.45**	**6.37**	**0.01**	**0.18**	**0.06**
TOTAL		***0.82***	***6.45***	***9.52***	***0.02***	***0.34***	***0.21***
Onsite							
	Off-Road Equipment	0.39	4.00	3.15	0.01	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.39**	**4.00**	**3.15**	**0.01**	**0.16**	**0.15**
Offsite							
	Worker	0.38	0.48	6.41	0.00	0.07	0.00
	Vendor	0.05	1.97	0.95	0.01	0.11	0.06
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.43**	**2.45**	**7.34**	**0.01**	**0.18**	**0.06**
TOTAL		***0.82***	***6.45***	***10.49***	***0.02***	***0.34***	***0.21***

3.16 Building Construction (2025)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.38	3.66	3.12	0.01	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.38**	**3.66**	**3.12**	**0.01**	**0.15**	**0.14**
Offsite							
	Worker	0.38	3.66	3.12	0.01	0.15	0.14
	Vendor	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
	Total	**0.38**	**3.66**	**3.12**	**0.01**	**0.15**	**0.14**
TOTAL		***0.76***	***7.32***	***6.24***	***0.02***	***0.30***	***0.28***
Onsite							
	Off-Road Equipment	0.38	3.66	3.12	0.01	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.38**	**3.66**	**3.12**	**0.01**	**0.15**	**0.14**
Offsite							
	Worker	0.36	0.41	5.01	0.00	0.07	0.00
	Vendor	0.05	1.88	0.89	0.01	0.11	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.41**	**2.29**	**5.90**	**0.01**	**0.18**	**0.04**
TOTAL		***0.79***	***5.95***	***9.02***	***0.02***	***0.33***	***0.18***
Onsite							
	Off-Road Equipment	0.38	3.66	3.12	0.01	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.38**	**3.66**	**3.12**	**0.01**	**0.15**	**0.14**
Offsite							
	Worker	0.38	3.66	5.01	0.01	0.15	0.14
	Vendor	0.05	1.88	0.89	0.01	0.11	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.41**	**3.66**	**5.90**	**0.01**	**0.18**	**0.14**
TOTAL		***0.79***	***7.32***	***9.02***	***0.02***	***0.33***	***0.28***

3.18 Paving (2023)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	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
	Total	**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***
Onsite							
	Off-Road Equipment	1.80	20.00	12.10	0.04	0.73	0.67
	Paving	0.13					
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**1.93**	**20.00**	**12.10**	**0.04**	**0.73**	**0.67**
Offsite							
	Worker	0.32	0.43	4.86	0.00	0.06	0.00
	Vendor	0.04	1.46	0.71	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.36**	**1.89**	**5.57**	**0.01**	**0.14**	**0.04**
TOTAL		***2.29***	***21.89***	***17.67***	***0.05***	***0.87***	***0.71***
Onsite							
	Off-Road Equipment	1.80	20.00	12.10	0.04	0.73	0.67
	Paving	0.13	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**1.93**	**20.00**	**12.10**	**0.04**	**0.73**	**0.67**
Offsite							
	Worker	0.32	0.43	4.86	0.00	0.06	0.00
	Vendor	0.04	1.46	0.71	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.36**	**1.89**	**5.57**	**0.01**	**0.14**	**0.04**
TOTAL		***2.29***	***21.89***	***17.67***	***0.05***	***0.87***	***0.71***

3.20 Paving (2024)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	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
	Total	**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***
Onsite							
	Off-Road Equipment	1.72	18.20	11.80	0.04	0.67	0.62
	Paving	0.13					
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**1.85**	**18.20**	**11.80**	**0.04**	**0.67**	**0.62**
Offsite							
	Worker	0.31	0.40	4.46	0.00	0.06	0.00
	Vendor	0.03	1.38	0.67	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.34**	**1.78**	**5.13**	**0.01**	**0.14**	**0.04**
TOTAL		***2.19***	***19.98***	***16.93***	***0.05***	***0.81***	***0.66***
Onsite							
	Off-Road Equipment	1.72	18.20	11.80	0.04	0.67	0.62
	Paving	0.13	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**1.85**	**18.20**	**11.80**	**0.04**	**0.67**	**0.62**
Offsite							
	Worker	0.31	0.40	4.46	0.00	0.06	0.00
	Vendor	0.03	1.38	0.67	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.34**	**1.78**	**5.13**	**0.01**	**0.14**	**0.04**
TOTAL		***2.19***	***19.98***	***16.93***	***0.05***	***0.81***	***0.66***

3.22 Architectural Coating (2025)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.13	0.88	1.14	< 0.005	0.03	0.03
	Architectural Coatings	12.30					
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**12.43**	**0.88**	**1.14**	**0.00**	**0.03**	**0.03**
Offsite							
	Worker	0.07	0.07	1.18	0.00	0.01	0.00
	Vendor	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
	Total	**0.07**	**0.07**	**1.18**	**0.00**	**0.01**	**0.00**
TOTAL		***12.50***	***0.95***	***2.32***	***0.00***	***0.04***	***0.03***
Onsite							
	Off-Road Equipment	0.03	0.21	0.27	< 0.005	0.01	0.01
	Architectural Coatings	2.96					
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**2.99**	**0.21**	**0.27**	**0.00**	**0.01**	**0.01**
Offsite							
	Worker	0.02	0.02	0.25	0.00	< 0.005	0.00
	Vendor	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
	Total	**0.02**	**0.02**	**0.25**	**0.00**	**0.00**	**0.00**
TOTAL		***3.01***	***0.23***	***0.52***	***0.00***	***0.01***	***0.01***
Onsite							
	Off-Road Equipment	0.13	0.88	1.14	0.00	0.03	0.03
	Architectural Coatings	12.30	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**12.43**	**0.88**	**1.14**	**0.00**	**0.03**	**0.03**
Offsite							
	Worker	0.07	0.07	1.18	0.00	0.01	0.00
	Vendor	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
	Total	**0.07**	**0.07**	**1.18**	**0.00**	**0.01**	**0.00**
TOTAL		***12.50***	***0.95***	***2.32***	***0.00***	***0.04***	***0.03***

3.24 Utility Trenching (2023)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	0.67	6.32	6.04	0.02	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.67**	**6.32**	**6.04**	**0.02**	**0.24**	**0.22**
Offsite							
	Worker	0.31	0.34	5.31	0.00	0.05	0.00
	Vendor	0.04	1.40	0.70	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.35**	**1.74**	**6.01**	**0.01**	**0.13**	**0.04**
TOTAL		***1.02***	***8.06***	***12.05***	***0.03***	***0.37***	***0.26***
Onsite							
	Off-Road Equipment	0.67	6.32	6.04	0.02	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.67**	**6.32**	**6.04**	**0.02**	**0.24**	**0.22**
Offsite							
	Worker	0.30	0.40	4.51	0.00	0.05	0.00
	Vendor	0.04	1.46	0.71	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.34**	**1.86**	**5.22**	**0.01**	**0.13**	**0.04**
TOTAL		***1.01***	***8.18***	***11.26***	***0.03***	***0.37***	***0.26***
Onsite							
	Off-Road Equipment	0.67	6.32	6.04	0.02	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.67**	**6.32**	**6.04**	**0.02**	**0.24**	**0.22**
Offsite							
	Worker	0.31	0.40	5.31	0.00	0.05	0.00
	Vendor	0.04	1.46	0.71	0.01	0.08	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.35**	**1.86**	**6.01**	**0.01**	**0.13**	**0.04**
TOTAL		***1.02***	***8.18***	***12.05***	***0.03***	***0.37***	***0.26***

3.26 Finishing/Landscaping (2024)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.04	0.04	0.60	0.00	0.01	0.00
	Vendor	0.01	0.46	0.22	< 0.005	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.05**	**0.50**	**0.82**	**0.00**	**0.04**	**0.01**
TOTAL		***0.05***	***0.50***	***0.82***	***0.00***	***0.04***	***0.01***
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.04	0.05	0.51	0.00	0.01	0.00
	Vendor	0.01	0.47	0.23	< 0.005	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.05**	**0.52**	**0.74**	**0.00**	**0.04**	**0.01**
TOTAL		***0.05***	***0.52***	***0.74***	***0.00***	***0.04***	***0.01***
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.04	0.05	0.60	0.00	0.01	0.00
	Vendor	0.01	0.47	0.23	0.00	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.05**	**0.52**	**0.82**	**0.00**	**0.04**	**0.01**
TOTAL		***0.05***	***0.52***	***0.82***	***0.00***	***0.04***	***0.01***

3.28 Finishing/Landscaping (2025)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.03	0.03	0.56	0.00	0.01	0.00
	Vendor	0.01	0.43	0.21	< 0.005	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.04**	**0.46**	**0.77**	**0.00**	**0.04**	**0.01**
TOTAL		***0.04***	***0.46***	***0.77***	***0.00***	***0.04***	***0.01***
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.03	0.04	0.47	0.00	0.01	0.00
	Vendor	0.01	0.45	0.21	< 0.005	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.04**	**0.49**	**0.68**	**0.00**	**0.04**	**0.01**
TOTAL		***0.04***	***0.49***	***0.68***	***0.00***	***0.04***	***0.01***
Onsite							
	Off-Road Equipment	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
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.03	0.04	0.56	0.00	0.01	0.00
	Vendor	0.01	0.45	0.21	0.00	0.03	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.04**	**0.49**	**0.77**	**0.00**	**0.04**	**0.01**
TOTAL		***0.04***	***0.49***	***0.77***	***0.00***	***0.04***	***0.01***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Asphalt Demolition and Demolition Debris	*1*	*34*	*16*	*0*	*11*	*2*
Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul	*5*	*78*	*49*	*0*	*16*	*5*
Rough Grading and Soil Haul	*4*	*44*	*33*	*0*	*5*	*3*
Rough Grading	*4*	*36*	*29*	*0*	*5*	*3*
Rough Grading and Fine Grading	*6*	*62*	*46*	*0*	*9*	*5*
Fine Grading	*2*	*26*	*17*	*0*	*4*	*2*
Fine Grading and Utility Trenching 2023	*3*	*34*	*29*	*0*	*5*	*3*
Utility Trenching 2023	*1*	*8*	*12*	*0*	*0*	*0*
Utility Trenching 2023, Building Construction 2023, and Paving 2023	*4*	*37*	*40*	*0*	*2*	*1*
Building Construction 2023 and Paving 2023	*3*	*29*	*28*	*0*	*1*	*1*
Building Construction 2024 and Paving 2024	*3*	*26*	*27*	*0*	*1*	*1*
Building Construction 2024, Paving 2024, and Finishing/Landscaping 2024	*3*	*27*	*28*	*0*	*1*	*1*
Building Construction 2024 and Finishing/Landscaping 2024	*1*	*7*	*11*	*0*	*0*	*0*
Building Construction 2025 and Finishing/Landscaping 2025	*1*	*8*	*10*	*0*	*0*	*0*
Building Construction 2025, Finishing/Landscaping 2025, and Architectural Coating 2025	*13*	*9*	*12*	*0*	*0*	*0*
MAX DAILY	**13**	**78**	**49**	**0**	**16**	**5**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Construction LST Worksheet:

3.2 Asphalt Demolition (2023)					
		NOx	CO	PM10 Total	PM2.5Total
Onsite					
	Off-Road Equipment	4.84	3.81	0.17	0.15
	Demolition			0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.84**	**3.81**	**0.17**	**0.15**
TOTAL		***4.84***	***3.81***	***0.17***	***0.15***
Onsite					
	Off-Road Equipment	0.07	0.05	< 0.005	< 0.005
	Demolition			0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.07**	**0.05**	**0.00**	**0.00**
TOTAL		***0.07***	***0.05***	***0.00***	***0.00***
Onsite					
	Off-Road	4.84	3.81	0.17	0.15
	Demolition	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.84**	**3.81**	**0.17**	**0.15**
TOTAL		***4.84***	***3.81***	***0.17***	***0.15***

3.4 Asphalt Demolition Debris Haul (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Demolition			8.66	1.31
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**8.66**	**1.31**
TOTAL		***0.00***	***0.00***	***8.66***	***1.31***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Demolition			0.12	0.02
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.12**	**0.02**
TOTAL		***0.00***	***0.00***	***0.12***	***0.02***
Onsite					
	Off-Road	0.00	0.00	0.00	0.00
	Demolition	0.00	0.00	8.66	1.31
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**8.66**	**1.31**
TOTAL		***0.00***	***0.00***	***8.66***	***1.31***

3.6 Rough Grading (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	35.00	24.90	1.36	1.25
	Dust From Material Movement			3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**35.00**	**24.90**	**4.74**	**2.65**
TOTAL		***35.00***	***24.90***	***4.74***	***2.65***
Onsite					
	Off-Road Equipment	1.92	1.37	0.07	0.07
	Dust From Material Movement			0.19	0.08
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**1.92**	**1.37**	**0.26**	**0.15**
TOTAL		***1.92***	***1.37***	***0.26***	***0.15***
Onsite					
	Off-Road Equipment	35.00	24.90	1.36	1.25
	Dust From Material Movement	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**35.00**	**24.90**	**4.74**	**2.65**
TOTAL		***35.00***	***24.90***	***4.74***	***2.65***

3.8 Rough Grading Soil Haul (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement			0.01	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.01**	**0.00**
TOTAL		***0.00***	***0.00***	***0.01***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement			< 0.005	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement	0.00	0.00	0.01	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.01**	**0.00**
TOTAL		***0.00***	***0.00***	***0.01***	***0.00***

3.10 Fine Grading (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	24.40	13.40	0.94	0.87
	Dust From Material Movement			3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**24.40**	**13.40**	**4.32**	**2.27**
TOTAL		***24.40***	***13.40***	***4.32***	***2.27***
Onsite					
	Off-Road Equipment	0.67	0.37	0.03	0.02
	Dust From Material Movement			0.09	0.04
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.67**	**0.37**	**0.12**	**0.06**
TOTAL		***0.67***	***0.37***	***0.12***	***0.06***
Onsite					
	Off-Road Equipment	24.40	13.40	0.94	0.87
	Dust From Material Movement	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**24.40**	**13.40**	**4.32**	**2.27**
TOTAL		***24.40***	***13.40***	***4.32***	***2.27***

3.12 Building Construction (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	4.19	3.20	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.19**	**3.20**	**0.17**	**0.15**
TOTAL		***4.19***	***3.20***	***0.17***	***0.15***
Onsite					
	Off-Road Equipment	4.19	3.20	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.19**	**3.20**	**0.17**	**0.15**
TOTAL		***4.19***	***3.20***	***0.17***	***0.15***

3.14 Building Construction (2024)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***

3.16 Building Construction (2025)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***

3.18 Paving (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	20.00	12.10	0.73	0.67
	Paving				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**20.00**	**12.10**	**0.73**	**0.67**
TOTAL		***20.00***	***12.10***	***0.73***	***0.67***
Onsite					
	Off-Road Equipment	20.00	12.10	0.73	0.67
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**20.00**	**12.10**	**0.73**	**0.67**
TOTAL		***20.00***	***12.10***	***0.73***	***0.67***

3.20 Paving (2024)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	18.20	11.80	0.67	0.62
	Paving				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.20**	**11.80**	**0.67**	**0.62**
TOTAL		***18.20***	***11.80***	***0.67***	***0.62***
Onsite					
	Off-Road Equipment	18.20	11.80	0.67	0.62
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.20**	**11.80**	**0.67**	**0.62**
TOTAL		***18.20***	***11.80***	***0.67***	***0.62***

3.22 Architectural Coating (2025)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.88	1.14	0.03	0.03
	Architectural Coatings				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.88**	**1.14**	**0.03**	**0.03**
TOTAL		***0.88***	***1.14***	***0.03***	***0.03***
Onsite					
	Off-Road Equipment	0.21	0.27	0.01	0.01
	Architectural Coatings				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.21**	**0.27**	**0.01**	**0.01**
TOTAL		***0.21***	***0.27***	***0.01***	***0.01***
Onsite					
	Off-Road Equipment	0.88	1.14	0.03	0.03
	Architectural Coatings	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.88**	**1.14**	**0.03**	**0.03**
TOTAL		***0.88***	***1.14***	***0.03***	***0.03***

3.24 Utility Trenching (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***

3.26 Finishing/Landscaping (2024)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***

3.28 Finishing/Landscaping (2025)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***

	NOx	CO	PM10 Total	PM2.5 Total
Asphalt Demolition and Demolition Debris	***5***	***4***	***8.83***	***1.46***
≤1.00 Acre LST	***103***	***612***	***4.00***	***3.00***
Exceeds LST?	***no***	***no***	***yes***	***no***
Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul	***40***	***29***	***13.58***	***4.11***
3.00 Acre LST	***178***	***1,112***	***8.00***	***5.00***
Exceeds LST?	***no***	***no***	***yes***	***no***

Rough Grading and Soil Haul	35	25	4.75	2.65
2.50 Acre LST	163	998	7.00	4.50
Exceeds LST?	no	no	no	no
Rough Grading	35	25	4.74	2.65
2.50 Acre LST	163	998	7.00	4.50
Exceeds LST?	no	no	no	no
Rough Grading and Fine Grading	59	38	9.06	4.92
≥5.00 Acre LST	236	1,566	11.99	7.00
Exceeds LST?	no	no	no	no
Fine Grading	24	13	4.32	2.27
2.50 Acre LST	163	998	7.00	4.50
Exceeds LST?	no	no	no	no
Fine Grading and Utility Trenching 2023	31	19	4.56	2.49
3.50 Acre LST	192	1,225	9.00	5.50
Exceeds LST?	no	no	no	no
Utility Trenching 2023	6	6	0.24	0.22
≤1.00 Acre LST	103	612	4.00	3.00
Exceeds LST?	no	no	no	no
Utility Trenching 2023, Building Construction 2023, and Paving 2023	31	21	1.14	1.04
2.50 Acre LST	163	998	7.00	4.50
Exceeds LST?	no	no	no	no
Building Construction 2023 and Paving 2023	24	15	0.90	0.82
1.50 Acre LST	126	748	5.00	3.50
Exceeds LST?	no	no	no	no
Building Construction 2024 and Paving 2024	22	15	0.83	0.77
1.50 Acre LST	126	748	5.00	3.50
Exceeds LST?	no	no	no	no
Building Construction 2024, Paving 2024, and Finishing/Landscaping 2024	22	15	0.83	0.77
1.50 Acre LST	126	748	5.00	3.50
Exceeds LST?	no	no	no	no
Building Construction 2024 and Finishing/Landscaping 2024	4	3	0.16	0.15
≤1.00 Acre LST	103	612	4.00	3.00
Exceeds LST?	no	no	no	no
Building Construction 2025 and Finishing/Landscaping 2025	4	3	0.15	0.14
≤1.00 Acre LST	103	612	4.00	3.00
Exceeds LST?	no	no	no	no
Building Construction 2025, Finishing/Landscaping 2025, and Architectural Coating 2025	5	4	0.18	0.17
≤1.00 Acre LST	103	612	4.00	3.00
Exceeds LST?	no	no	no	no

Construction LST Worksheet (Mitigated):

3.2 Asphalt Demolition (2023)					
		NOx	CO	PM10 Total	PM2.5Total
Onsite					
	Off-Road Equipment	4.24	8.54	0.03	0.03
	Demolition			0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.24**	**8.54**	**0.03**	**0.03**
TOTAL		***4.24***	***8.54***	***0.03***	***0.03***
Onsite					
	Off-Road Equipment	0.06	0.12	< 0.005	< 0.005
	Demolition			0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.06**	**0.12**	**0.00**	**0.00**
TOTAL		***0.06***	***0.12***	***0.00***	***0.00***
Onsite					
	Off-Road	4.24	8.54	0.03	0.03
	Demolition	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.24**	**8.54**	**0.03**	**0.03**
TOTAL		***4.24***	***8.54***	***0.03***	***0.03***

3.4 Asphalt Demolition Debris Haul (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Demolition			3.33	0.50
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**3.33**	**0.50**
TOTAL		***0.00***	***0.00***	***3.33***	***0.50***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Demolition			0.12	0.02
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.12**	**0.02**
TOTAL		***0.00***	***0.00***	***0.12***	***0.02***
Onsite					
	Off-Road	0.00	0.00	0.00	0.00
	Demolition	0.00	0.00	3.33	0.50
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**3.33**	**0.50**
TOTAL		***0.00***	***0.00***	***3.33***	***0.50***

3.6 Rough Grading (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	18.30	36.90	0.14	0.14
	Dust From Material Movement			3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.30**	**36.90**	**3.52**	**1.54**
TOTAL		***18.30***	***36.90***	***3.52***	***1.54***
Onsite					
	Off-Road Equipment	1.00	2.02	0.01	0.01
	Dust From Material Movement			0.19	0.08
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**1.00**	**2.02**	**0.20**	**0.09**
TOTAL		***1.00***	***2.02***	***0.20***	***0.09***
Onsite					
	Off-Road Equipment	18.30	36.90	0.14	0.14
	Dust From Material Movement	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.30**	**36.90**	**3.52**	**1.54**
TOTAL		***18.30***	***36.90***	***3.52***	***1.54***

3.8 Rough Grading Soil Haul (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement			0.01	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.01**	**0.00**
TOTAL		***0.00***	***0.00***	***0.01***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement			< 0.005	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Dust From Material Movement	0.00	0.00	0.01	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.01**	**0.00**
TOTAL		***0.00***	***0.00***	***0.01***	***0.00***

3.10 Fine Grading (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	24.40	13.40	0.94	0.87
	Dust From Material Movement			3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**24.40**	**13.40**	**4.32**	**2.27**
TOTAL		***24.40***	***13.40***	***4.32***	***2.27***
Onsite					
	Off-Road Equipment	0.67	0.37	0.03	0.02
	Dust From Material Movement			0.09	0.04
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.67**	**0.37**	**0.12**	**0.06**
TOTAL		***0.67***	***0.37***	***0.12***	***0.06***
Onsite					
	Off-Road Equipment	24.40	13.40	0.94	0.87
	Dust From Material Movement	0.00	0.00	3.38	1.40
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**24.40**	**13.40**	**4.32**	**2.27**
TOTAL		***24.40***	***13.40***	***4.32***	***2.27***

3.12 Building Construction (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	4.19	3.20	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.19**	**3.20**	**0.17**	**0.15**
TOTAL		***4.19***	***3.20***	***0.17***	***0.15***
Onsite					
	Off-Road Equipment	4.19	3.20	0.17	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.19**	**3.20**	**0.17**	**0.15**
TOTAL		***4.19***	***3.20***	***0.17***	***0.15***

3.14 Building Construction (2024)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***
Onsite					
	Off-Road Equipment	4.00	3.15	0.16	0.15
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**4.00**	**3.15**	**0.16**	**0.15**
TOTAL		***4.00***	***3.15***	***0.16***	***0.15***

3.16 Building Construction (2025)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***
Onsite					
	Off-Road Equipment	3.66	3.12	0.15	0.14
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**3.66**	**3.12**	**0.15**	**0.14**
TOTAL		***3.66***	***3.12***	***0.15***	***0.14***

3.18 Paving (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	20.00	12.10	0.73	0.67
	Paving				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**20.00**	**12.10**	**0.73**	**0.67**
TOTAL		***20.00***	***12.10***	***0.73***	***0.67***
Onsite					
	Off-Road Equipment	20.00	12.10	0.73	0.67
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**20.00**	**12.10**	**0.73**	**0.67**
TOTAL		***20.00***	***12.10***	***0.73***	***0.67***

3.20 Paving (2024)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.00	0.00	0.00	0.00
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.00***	***0.00***
Onsite					
	Off-Road Equipment	18.20	11.80	0.67	0.62
	Paving				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.20**	**11.80**	**0.67**	**0.62**
TOTAL		***18.20***	***11.80***	***0.67***	***0.62***
Onsite					
	Off-Road Equipment	18.20	11.80	0.67	0.62
	Paving	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**18.20**	**11.80**	**0.67**	**0.62**
TOTAL		***18.20***	***11.80***	***0.67***	***0.62***

3.22 Architectural Coating (2025)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	0.88	1.14	0.03	0.03
	Architectural Coatings				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.88**	**1.14**	**0.03**	**0.03**
TOTAL		***0.88***	***1.14***	***0.03***	***0.03***
Onsite					
	Off-Road Equipment	0.21	0.27	0.01	0.01
	Architectural Coatings				
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.21**	**0.27**	**0.01**	**0.01**
TOTAL		***0.21***	***0.27***	***0.01***	***0.01***
Onsite					
	Off-Road Equipment	0.88	1.14	0.03	0.03
	Architectural Coatings	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**0.88**	**1.14**	**0.03**	**0.03**
TOTAL		***0.88***	***1.14***	***0.03***	***0.03***

3.24 Utility Trenching (2023)					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***
Onsite					
	Off-Road Equipment	6.32	6.04	0.24	0.22
	Onsite truck	0.00	0.00	0.00	0.00
	Total	**6.32**	**6.04**	**0.24**	**0.22**
TOTAL		***6.32***	***6.04***	***0.24***	***0.22***

3.26 Finishing/Landscaping (2024)

	NOx	CO	PM10 Total	PM2.5 Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	***0.00***	***0.00***	***0.00***	***0.00***
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	***0.00***	***0.00***	***0.00***	***0.00***

3.27 Finishing/Landscaping (2025)

	NOx	CO	PM10 Total	PM2.5 Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	***0.00***	***0.00***	***0.00***	***0.00***
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	***0.00***	***0.00***	***0.00***	***0.00***
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	***0.00***	***0.00***	***0.00***	***0.00***

	NOx	**CO**	**PM10 Total**	**PM2.5 Total**
Asphalt Demolition and Demolition Debris	***4***	***9***	***3.36***	***0.53***
≤1.00 Acre LST	***103***	***612***	***4.00***	***3.00***
Exceeds LST?	***no***	***no***	***no***	***no***
Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul	***23***	***45***	***6.89***	***2.07***
3.00 Acre LST	***178***	***1,112***	***8.00***	***5.00***
Exceeds LST?	***no***	***no***	***no***	***no***
Rough Grading and Soil Haul	***18***	***37***	***3.53***	***1.54***
2.50 Acre LST	***163***	***998***	***7.00***	***4.50***
Exceeds LST?	***no***	***no***	***no***	***no***
Rough Grading	***18***	***37***	***3.52***	***1.54***
2.50 Acre LST	***163***	***998***	***4.50***	***4.50***
Exceeds LST?	***no***	***no***	***no***	***no***
Rough Grading and Fine Grading	***43***	***50***	***7.84***	***3.81***
≥5.00 Acre LST	***236***	***1,566***	***11.99***	***7.00***
Exceeds LST?	***no***	***no***	***no***	***no***
Fine Grading	***24***	***13***	***4.32***	***2.27***
2.50 Acre LST	***163***	***998***	***7.00***	***4.50***
Exceeds LST?	***no***	***no***	***no***	***no***

Fine Grading and Utility Trenching 2023	*31*	*19*	*4.56*	*2.49*
3.50 Acre LST	*192*	*1,225*	*9.00*	*5.50*
Exceeds LST?	*no*	*no*	*no*	*no*
Utility Trenching 2023	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*612*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Utility Trenching 2023, Building Construction 2023, and Paving 2023	*31*	*21*	*1.14*	*1.04*
2.50 Acre LST	*163*	*998*	*7.00*	*4.50*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2023 and Paving 2023	*24*	*15*	*0.90*	*0.82*
1.50 Acre LST	*126*	*748*	*5.00*	*3.50*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2024 and Paving 2024	*22*	*15*	*0.83*	*0.77*
1.50 Acre LST	*126*	*748*	*5.00*	*3.50*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2024, Paving 2024, and Finishing/Landscaping 2024	*22*	*15*	*0.83*	*0.77*
1.50 Acre LST	*126*	*748*	*5.00*	*3.50*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2024 and Finishing/Landscaping 2024	*4*	*3*	*0.16*	*0.15*
≤1.00 Acre LST	*103*	*612*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2025 and Finishing/Landscaping 2025	*4*	*3*	*0.15*	*0.14*
≤1.00 Acre LST	*103*	*612*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2025, Finishing/Landscaping 2025, and Architectural Coating 2025	*5*	*4*	*0.18*	*0.17*
≤1.00 Acre LST	*103*	*612*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*

Regional Operation Emissions Worksheet

[1] CalEEMod, Version 2022.1

Proposed Project

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	2.83	2.25	41.60	0.09	3.75	0.69
Area	4.32	0.03	3.28	< 0.005	< 0.005	< 0.005
Energy	0.03	0.56	0.24	< 0.005	0.05	0.05
Total	**7.18**	**2.84**	**45.12**	**0.09**	**3.80**	**0.74**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	2.81	2.52	36.70	0.09	3.75	0.69
Area	4.02	0.00	0.00	0.00	0.00	0.00
Energy	0.03	0.56	0.24	< 0.005	0.05	0.05
Total	**6.86**	**3.08**	**36.94**	**0.09**	**3.80**	**0.74**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	2.83	2.52	41.60	0.09	3.75	0.69
Area	4.32	0.03	3.28	0.00	0.00	0.00
Energy	0.03	0.56	0.24	0.00	0.05	0.05
Total	**7.18**	**3.08**	**45.12**	**0.09**	**3.80**	**0.74**
Regional Thresholds (lb/day)	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

GHG Emissions Inventory

Proposed Project Buildout

Construction[1]

	$MTCO_2e$
2023	421
2024	578
2025	345
Total Construction	**1,344**
30-Year Amortization[2]	**45**

[1] CalEEMod, Version 2022.1

[2] Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2.

Operations[1]

	$MTCO_2e$/Year[2] Operations	%
Mobile	1,481	84%
Area	1	0%
Energy	200	11%
Water	15	1%
Solid Waste	11	1%
Refrigerants	0	0%
30-Year Construction Amortization	45	3%
	1,753	100%
South Coast AQMD Bright-Line Screening Threshold	**3,000**	
Exceed Threshold?	**No**	

[1] CalEEMod, Version 2022.1

[2] $MTCO_2e$=metric tons of carbon dioxide equivalent.

Assumptions Worksheet

CalEEMod Inputs- Trumark, Construction

Name:	Trumark Residential Project
Project Number:	CLRM-10
Project Location:	West of Forbes Avenue and South of Thompson Creek Trail
County/Air Basin:	Los Angeles County
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	South Coast AQMD
SRA:	10 - Pomona/Walnut Valley

Project Site Acreage	9.91
Disturbed Site Acreage	9.58

Project Components	SQFT	CY
Demolition		
Asphalt Demolition*	67,460	10,600

Project Components	Number of Units	Number of Stories	SQFT	Building Footprint	Acres
Construction					
Single Family Homes	58	2	172,769	86,385	1.98
Asphalt Surfaces			63,537		1.46
Landscaping			140,903		3.23
Hardscape			22,400		0.51
Remaining Area			104,080		2.39
				TOTAL ACREAGE	**9.58**

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Residential	Single Family Housing	58	DU	1.9831152433	172,769
Parking	Other Asphalt Surfaces	63.537	1000 sqft	1.46	63,537
Parking*	Other Non-asphalt Surfaces (Landscape)	140.903	1000 sqft	3.23468778696	140,903
Parking*	Other Non-asphalt Surfaces (Hardscape)	22.400	1000 sqft	0.51	22,400
Parking	Other Non-asphalt Surfaces (Remaining Area)	104.080	1000 sqft	2.39	104,080
				9.58	

Demolition[1]

Component	Amount to be Demolished (cy)	Haul Truck Capacity (cy)	Haul Distance (miles)	Total Trip Ends	Trip Ends per Day	Duration (days)
Asphalt	10,600	16	17	1,325	265	5
Total	10,600			1,325		

Demolition Debris Haul Mitigated Calculations

CalEEMod Output	Localized Significance Threshold	With Buffer
8.69	4.00	3.50

Number of Trips per Days (Mitigated):	**107**
Miles Traveled per day (Mitigated):	**1,819**

Demolition (Mitigated)

Component	Amount to be Demolished (cy)	Haul Truck Capacity (cy)	Haul Distance (miles)	Total Trip Ends	Trip Ends per Day	Duration (days)
Asphalt	10,600	16	17	1,325	107	13
Total	10,600			1,325		

Soil Haul [1]

Construction Activities	Volume (CY)	Haul Truck Capacity (cy)	Haul Distance (miles)	Total Trip Ends	Trip Ends per Day	Duration (days)
Rough Grading Import	1,330	14	17	190	63	3

[1] Haul Distance based provided by the Applicant

Architectural Coating

	Percent Painted
Interior Painted:	100%
Exterior Painted:	100%

Rule 1113

Interior Paint VOC content:	50	grams per liter
Exterior Paing VOC content:	50	grams per liter

Structures	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential Structures					
Single Family Housing	172,769	2.7	466,476	349,857	116,619
			466,476	**349,857**	**116,619**

[1]CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user.

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	61	% Reduction
	PM25:	61	% Reduction
Unpaved Roads	Vehicle Speed:	25	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	449.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 452 pounds per megawatt hour; Southern California Edison. 2022. 2021 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	**AR5**
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Construction Activities and Schedule Assumptions

* based on information provided by the Applicant

Construction Schedule				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Asphalt Demolition	Demolition	6/12/2023	6/16/2023	5
Asphalt Demolition Debris Haul	Demolition	6/12/2023	6/16/2023	5
Rough Grading	Grading	6/16/2023	7/13/2023	20
Rough Grading Soil Haul	Grading	6/16/2023	6/20/2023	3
Fine Grading	Grading	7/7/2023	7/20/2023	10
Utility Trenching	Trenching	7/20/2023	12/22/2023	112
Building Construction	Building Construction	12/22/2023	8/25/2025	437
Paving	Paving	12/22/2023	2/1/2024	30
Architectural Coating	Architectural Coating	4/24/2025	8/25/2025	88
Finishing/Landscaping	Trenching	2/1/2024	8/25/2025	408

Mitigated Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Asphalt Demolition Debris Haul	Demolition	6/12/2023	6/28/2023	13

Overlapping Construction Schedule			
Construction Activities	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Asphalt Demolition and Demolition Debris	6/12/2023	6/16/2023	5
Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul	6/16/2023	6/16/2023	1
Rough Grading and Soil Haul	6/17/2023	6/20/2023	2
Rough Grading	6/21/2023	7/7/2023	13
Rough Grading and Fine Grading	7/8/2023	7/13/2023	4
Fine Grading	7/14/2023	7/19/2023	4
Fine Grading and Utility Trenching	7/20/2023	7/20/2023	1
Utility Trenching	7/21/2023	12/21/2023	110
Utility Trenching, Building Construction, and Paving	12/22/2023	12/22/2023	1
Building Construction and Paving	12/23/2023	1/31/2024	28
Building Construction, Paving, and Finishing/Landscaping	2/1/2024	2/1/2024	1
Building Construction and Finishing/Landscaping	2/2/2024	4/23/2025	319
Building Construction, Finishing/Landscaping , and Architectural Coating	4/24/2025	8/25/2025	88

CalEEMod Construction Off-Road Equipment Inputs

**Based on CalEEMod defaults, assumed equipment would not be shared for most conservative results*

General Construction Hours: 8 hours btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day)[1]	Water Truck Capacity (gallons)[2]
10,000	4,000

Notes:

[1] *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)*

[2] *Based on standard water truck capacity: McLellan Industries. 2022, January (access). Water Trucks. https://www.mclellanindustries.com/trucks/water-trucks/*

[3] *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						
Equipment	**model**	**# of Equipment**	**hr/day**	**hp**	**load factor***	**total trips (per day)**
Asphalt Demolition						
Excavator	Hitachi 350	1	8	271	0.38	
Loader	Caterpillar 950	1	8	225	0.37	
Worker Trips						5
Vendor Trips						50
Hauling Trips						0
Asphalt Demolition Debris Haul						
no additional equipment required for debris haul						
Worker Trips						2
Vendor Trips						66
Hauling Trips (per day)						265
Rough Grading						
637G Scraper	Caterpillar 637G	2	8	570	0.48	
834K Compactor	Caterpillar 834K	1	8	496	0.38	
D9 Dozer	Caterpillar 834K	1	8	175	0.4	
Worker Trips						40
Vendor Trips						30
Hauling Trips						0
Rough Grading Soil Haul						
no additional equipment required for soil haul						
Worker Trips						15
Vendor Trips						30
Hauling Trips						63
Fine Grading						
Finish Grade Blade	Caterpillar 14G Motor Grader	2	8	180	0.41	
Paddle Scraper	Caterpillar 623 Scraper	1	8	407	0.48	
Finish Dozer	Caterpillar D6 Dozer	1	8	215	0.4	
Worker Trips						40
Vendor Trips						30
Hauling Trips						0
Utilities Trenching						
Excavator	Hitachi 350	1	8	271	0.38	
Loader	Caterpillar 950	1	8	225	0.37	
Backhoe	Caterpillar 410	1	8	98	0.37	
Worker Trips						65
Vendor Trips						35
Hauling Trips						0
Building Construction						
Cranes		1	8	367		
Worker Trips						85
Vendor Trips						50
Hauling Trips						0
Paving						
Finish Grade Blade	Caterpillar 14G Motor Grader	1	8	180	0.41	
Paddle Scraper	Caterpillar 623 Scraper	1	8	407	0.48	
Paving Machine	Caterpillar AP355F Paver	1	8	185	0.42	
Vibratory Drum Roller	Caterpillar CB634D Vib Roller	1	8	284	0.38	
Worker Trips						70
Vendor Trips						35
Hauling Trips						0
Architectural Coating (surface lots, etc…)						
Air Compressors		1	6	37	0.48	
Worker Trips*						17
Vendor Trips						0
Hauling Trips						0
*assumes worker trips are 20% of building construction worker trips based on CalEEMod Appendix methodology.						
Finishing/Landscaping						
no additional equipment required for finishing						
Worker Trips						8
Vendor Trips						12
Hauling Trips						0

Phase Name	Worker Trip Ends Per Day	Vendor Trip Ends Per Day	Haul Truck Trip Ends Per Day	Total Haul Truck Trip Ends	Total Trip Ends Per Day	Start Date	End Date	Workdays
Asphalt Demolition	5	50	0	0	55	6/12/2023	6/16/2023	5
Asphalt Demolition Debris Haul	2	66	53	265	121	6/12/2023	6/16/2023	5
Rough Grading	40	30	0	0	70	6/16/2023	7/14/2023	21
Rough Grading Soil Haul	15	30	22	63	67	6/16/2023	6/20/2023	3
Fine Grading	40	30	0	0	70	7/8/2023	7/20/2023	9
Utility Trenching	65	35	0	0	100	7/20/2023	12/22/2023	112
Building Construction	85	50	0	0	135	12/22/2023	8/25/2025	437
Paving	70	35	0	0	105	12/22/2023	2/1/2024	30
Architectural Coating	17	0	0	0	17	4/24/2025	8/25/2025	88
Finishing/Landscaping	8	12	0	0	20	2/1/2024	8/25/2025	408

Construction Activity (Overlapping)	Worker Trip Ends Per Day	Vendor Trip Ends Per Day	Haul Truck Trip Ends Per Day	Total Trip Ends Per Day	Start Date	End Date	Workdays
Asphalt Demolition and Demolition Debris	7	116	53	176	6/12/2023	6/16/2023	5
Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul	62	176	75	313	6/16/2023	6/16/2023	1
Rough Grading and Soil Haul	55	60	22	137	6/17/2023	6/20/2023	2
Rough Grading	40	30	0	70	6/21/2023	7/7/2023	13
Rough Grading and Fine Grading	80	60	0	140	7/8/2023	7/13/2023	4
Fine Grading	40	30	0	70	7/14/2023	7/19/2023	4
Fine Grading and Utility Trenching	105	65	0	170	7/20/2023	7/20/2023	1
Utility Trenching	65	35	0	100	7/21/2023	12/21/2023	110
Utility Trenching, Building Construction, and Paving	220	120	0	340	12/22/2023	12/22/2023	1
Building Construction and Paving	155	85	0	240	12/23/2023	1/31/2024	28
Building Construction, Paving, and Finishing/Landscaping	163	97	0	260	2/1/2024	2/1/2024	1
Building Construction and Finishing/Landscaping	93	62	0	155	2/2/2024	4/23/2025	319
Building Construction, Finishing/Landscaping, and Architectural Coating	110	62	0	172	4/24/2025	8/25/2025	88
Maximum Daily Trips	**220**	**176**	**75**	**340**			

CalEEMod Inputs- Trumark Residential Project, Operations

Name:	Trumark Residential Project, Operations
Project Number:	CLRM-10
Project Location:	West of Forbes Avenue and South of Thompson Creek Trail
County/Air Basin:	Los Angeles County
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	South Coast AQMD
SRA:	10 - Pomona/Walnut Valley

Project Site Acreage	9.91
Disturbed Site Acreage	9.58

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Residential	Single Family Housing	58	DU	1.98	172,769
Parking	Other Asphalt Surfaces	63.537	1000 sqft	1.46	63,537
Parking*	Other Non-asphalt Surfaces (Landscape)	140.903	1000 sqft	3.23	140,903
Parking*	Other Non-asphalt Surfaces (Hardscape)	22.400	1000 sqft	0.51	22,400
Parking	Other Non-asphalt Surfaces (Remaining Area)	104.080	1000 sqft	2.39	104,080
				9.58	

Trips

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip Rate
Single Family Housing	612	**10.55**	596	**10.28**	531	**9.16**

Source: EPD Solutions. 2022. La Puerta School Site Residential Development Traffic Impact Analysis.

*

Water Use [1]

	Wastewater Generation Rate (gal/day per parcel)	Indoor (gpd)	Outdoor (gpd)	Total[2]
Proposed Project Water Use (gpd)	260.00	16,588.00	6,444.00	23,032.00
Proposed Project Water Use (gal/year)	NA	6,054,620.00	2,352,060.00	8,406,680.00

Notes

1 Based on water and wastewater use numbers from Water Supply and Demand Analysis. See Section 5.19, *Utilities and Service Systems.*

2 Assumes 100% aerobic treatment.

Solid Waste

Land Use	Number of Residents[1]	Solid Waste Generation Rate (lb/DU/day)	Total Solid Waste (lb/day)[2]	Total Solid Waste (tons/yr)	Total Solid Waste (tons/resident/yr)[3]
Solid Waste	172	10.00	580.00	105.85	0.615406977

Notes

1 CalEEMod default residents for 58 residential units

2 See Section 5.19, *Utilities and Service Systems,* for solid waste calculations.

3 Based on CalEEMod input type for solid waste

Electricity (Buildings)

Default CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Single Family Housing	399,918.42	2,223,450.08	**88,891.62**	**1,957,348.41**	311,026.79	266,101.67
Other Asphalt Surfaces	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

Architectural Coating

	Percent Painted	
Interior Painted:	100%	
Exterior Painted:	100%	

Rule 1113

Interior Paint VOC content:	50	grams per liter
Exterior Paing VOC content:	50	grams per liter

Structures	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential Structures					
Single Family Homes	172,769	2.7	466,476	349,857	116,619
			466,476	**349,857**	**116,619**

[1]CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user.

[3] Assumes that bridge, roadway, parkinglot, and basketball court will be striped. CalEEMod methodology assumes 6% of surface area is striped.

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	449.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 452 pounds per megawatt hour; Southern California Edison. 2022. 2021 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	**AR5**
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Changes to the CalEEMod Defaults - Fleet Mix 2025

Trips 612

Default	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS	SBUS	UBUS	
FleetMix (Model Default)	0.00855879	0.50550348	0.04387635	0.23197784	0.02611446	0.00652261	0.02135711	0.14026795	0.00286349	0.01082431	0.00086477	0.00064429	0.00062455	100%
Trips	5	309	27	142	16	4	13	86	2	7	1	0	0	612
Percent		80%			6%			14%						100%
without buses/MH	0.008559	0.505503	0.043876	0.231978	0.026114	0.006523	0.021357	0.140268	0.002863	0.010824	0	0.000644	0	100%
Percent		80%			6%			14%						100%
Adjusted without buses/MH	0.008788	0.505503	0.043876	0.231978	0.026815	0.006698	0.021930	0.140268	0.002940	0.011115	0.000000	0.000662	0.000000	
Percent adjusted		80%			6%			14%						100%
Assumed Mix		97.0%			1.00%			2.00%						100%
adjusted with Assumed	**0.001541**	**0.610414**	**0.052982**	**0.280122**	**0.004703**	**0.001175**	**0.026481**	**0.020000**	**0.000516**	**0.001949**	**0.000000**	**0.000116**	**0.000000**	**100%**
Percent Check:		97%			1%			2%						
Trips	1	374	32	171	3	1	16	12	0	1	0	0	0	611
		594			*34*			*12*						

reflect a higher proportion of passenger vehicles that the regional

CalEEMod Outputs

Trumark Residential Project Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Trumark Residential Project
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	15.4
Location	Forbes Ave & E Miramar Ave, Claremont, CA 91711, USA
County	Los Angeles-South Coast
City	Claremont
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5013
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Single Family Housing	58.0	Dwelling Unit	1.98	172,769	0.00	0.00	172	—
Other Asphalt Surfaces	63.5	1000sqft	1.46	0.00	0.00	0.00	—	—

Other Non-Asphalt Surfaces	141	1000sqft	3.23	0.00	140,903	0.00	—	—
Other Non-Asphalt Surfaces	22.4	1000sqft	0.51	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	104	1000sqft	2.39	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-B	Water Active Demolition Sites

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	7.29	13.3	77.5	48.8	0.28	2.33	25.5	27.4	2.14	5.72	7.50	—	39,407	39,407	2.04	4.60	72.5	40,901
Mit.	7.29	13.3	77.5	48.8	0.28	2.33	20.6	22.5	2.14	4.99	6.76	—	39,407	39,407	2.04	4.60	72.5	40,901
% Reduced	—	—	—	—	—	—	19%	18%	—	13%	10%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.94	4.16	36.8	39.0	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,239	14,239	0.59	0.70	0.62	14,464
Mit.	4.94	4.16	36.8	39.0	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,239	14,239	0.59	0.70	0.62	14,464

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.93	3.39	6.33	8.59	0.02	0.20	1.30	1.48	0.19	0.32	0.49	—	3,412	3,412	0.14	0.25	3.42	3,493
Mit.	0.93	3.39	6.33	8.59	0.02	0.20	1.30	1.48	0.19	0.32	0.49	—	3,412	3,412	0.14	0.25	3.42	3,493
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.62	1.16	1.57	< 0.005	0.04	0.24	0.27	0.03	0.06	0.09	—	565	565	0.02	0.04	0.57	578
Mit.	0.17	0.62	1.16	1.57	< 0.005	0.04	0.24	0.27	0.03	0.06	0.09	—	565	565	0.02	0.04	0.57	578
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	7.29	6.01	77.5	48.8	0.28	2.33	25.5	27.4	2.14	5.72	7.50	—	39,407	39,407	2.04	4.60	72.5	40,901
2024	1.09	0.87	6.80	11.3	0.02	0.19	1.75	1.93	0.18	0.43	0.61	—	4,304	4,304	0.18	0.33	10.6	4,416
2025	1.27	13.3	7.25	13.0	0.02	0.20	1.97	2.17	0.18	0.48	0.66	—	4,612	4,612	0.19	0.34	11.0	4,728
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.94	4.16	36.8	39.0	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,239	14,239	0.59	0.70	0.62	14,464
2024	3.57	3.06	27.0	27.2	0.07	0.87	2.96	3.83	0.81	0.73	1.54	—	10,541	10,541	0.44	0.55	0.46	10,718
2025	1.03	0.83	6.44	9.71	0.02	0.18	1.75	1.92	0.15	0.43	0.58	—	4,177	4,177	0.18	0.33	0.26	4,280

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.81	0.65	6.33	6.34	0.02	0.20	1.03	1.23	0.19	0.28	0.47	—	2,495	2,495	0.11	0.14	1.62	2,543
2024	0.93	0.75	6.23	8.59	0.02	0.18	1.30	1.48	0.17	0.32	0.49	—	3,412	3,412	0.14	0.25	3.42	3,493
2025	0.53	3.39	3.24	5.16	0.01	0.09	0.86	0.94	0.08	0.21	0.29	—	2,032	2,032	0.09	0.15	2.11	2,082
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.15	0.12	1.16	1.16	< 0.005	0.04	0.19	0.22	0.03	0.05	0.09	—	413	413	0.02	0.02	0.27	421
2024	0.17	0.14	1.14	1.57	< 0.005	0.03	0.24	0.27	0.03	0.06	0.09	—	565	565	0.02	0.04	0.57	578
2025	0.10	0.62	0.59	0.94	< 0.005	0.02	0.16	0.17	0.01	0.04	0.05	—	336	336	0.01	0.03	0.35	345

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	7.29	6.01	77.5	48.8	0.28	2.33	20.6	22.5	2.14	4.99	6.76	—	39,407	39,407	2.04	4.60	72.5	40,901
2024	1.09	0.87	6.80	11.3	0.02	0.19	1.75	1.93	0.18	0.43	0.61	—	4,304	4,304	0.18	0.33	10.6	4,416
2025	1.27	13.3	7.25	13.0	0.02	0.20	1.97	2.17	0.18	0.48	0.66	—	4,612	4,612	0.19	0.34	11.0	4,728
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.94	4.16	36.8	39.0	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,239	14,239	0.59	0.70	0.62	14,464
2024	3.57	3.06	27.0	27.2	0.07	0.87	2.96	3.83	0.81	0.73	1.54	—	10,541	10,541	0.44	0.55	0.46	10,718
2025	1.03	0.83	6.44	9.71	0.02	0.18	1.75	1.92	0.15	0.43	0.58	—	4,177	4,177	0.18	0.33	0.26	4,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.81	0.65	6.33	6.34	0.02	0.20	0.96	1.16	0.19	0.27	0.46	—	2,495	2,495	0.11	0.14	1.62	2,543
2024	0.93	0.75	6.23	8.59	0.02	0.18	1.30	1.48	0.17	0.32	0.49	—	3,412	3,412	0.14	0.25	3.42	3,493

2025	0.53	3.39	3.24	5.16	0.01	0.09	0.86	0.94	0.08	0.21	0.29	—	2,032	2,032	0.09	0.15	2.11	2,082
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.15	0.12	1.16	1.16	< 0.005	0.04	0.18	0.21	0.03	0.05	0.08	—	413	413	0.02	0.02	0.27	421
2024	0.17	0.14	1.14	1.57	< 0.005	0.03	0.24	0.27	0.03	0.06	0.09	—	565	565	0.02	0.04	0.57	578
2025	0.10	0.62	0.59	0.94	< 0.005	0.02	0.16	0.17	0.01	0.04	0.05	—	336	336	0.01	0.03	0.35	345

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.	3.61	7.18	2.84	45.1	0.10	0.10	3.70	3.80	0.09	0.64	0.74	32.3	10,684	10,717	2.41	0.26	37.0	10,892
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.28	6.86	3.09	37.0	0.09	0.10	3.70	3.79	0.09	0.64	0.73	32.3	10,196	10,229	2.42	0.28	2.16	10,375
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.40	6.98	3.09	39.7	0.09	0.10	3.61	3.71	0.09	0.63	0.72	32.3	10,126	10,159	2.41	0.28	16.3	10,318
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.62	1.27	0.56	7.24	0.02	0.02	0.66	0.68	0.02	0.11	0.13	5.35	1,677	1,682	0.40	0.05	2.70	1,708

2.5. Operations Emissions by Sector, Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.23	2.83	2.25	41.6	0.09	0.05	3.70	3.75	0.05	0.64	0.69	—	9,404	9,404	0.32	0.23	35.8	9,516
Area	0.31	4.32	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.80	8.80	< 0.005	< 0.005	—	8.83
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.61	7.18	2.84	45.1	0.10	0.10	3.70	3.80	0.09	0.64	0.74	32.3	10,684	10,717	2.41	0.26	37.0	10,892
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.21	2.81	2.52	36.7	0.09	0.05	3.70	3.75	0.05	0.64	0.69	—	8,924	8,924	0.33	0.25	0.93	9,007
Area	0.00	4.02	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.28	6.86	3.09	37.0	0.09	0.10	3.70	3.79	0.09	0.64	0.73	32.3	10,196	10,229	2.42	0.28	2.16	10,375
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.12	2.73	2.51	37.2	0.09	0.05	3.61	3.66	0.05	0.63	0.67	—	8,849	8,849	0.32	0.24	15.1	8,945
Area	0.21	4.22	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.03	6.03	< 0.005	< 0.005	—	6.05
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.40	6.98	3.09	39.7	0.09	0.10	3.61	3.71	0.09	0.63	0.72	32.3	10,126	10,159	2.41	0.28	16.3	10,318

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.57	0.50	0.46	6.79	0.02	0.01	0.66	0.67	0.01	0.11	0.12	—	1,465	1,465	0.05	0.04	2.50	1,481
Area	0.04	0.77	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.00	1.00	< 0.005	< 0.005	—	1.00
Energy	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	200
Water	—	—	—	—	—	—	—	—	—	—	—	2.14	11.0	13.1	0.01	< 0.005	—	14.7
Waste	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	0.62	1.27	0.56	7.24	0.02	0.02	0.66	0.68	0.02	0.11	0.13	5.35	1,677	1,682	0.40	0.05	2.70	1,708

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.23	2.83	2.25	41.6	0.09	0.05	3.70	3.75	0.05	0.64	0.69	—	9,404	9,404	0.32	0.23	35.8	9,516
Area	0.31	4.32	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.80	8.80	< 0.005	< 0.005	—	8.83
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.61	7.18	2.84	45.1	0.10	0.10	3.70	3.80	0.09	0.64	0.74	32.3	10,684	10,717	2.41	0.26	37.0	10,892
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.21	2.81	2.52	36.7	0.09	0.05	3.70	3.75	0.05	0.64	0.69	—	8,924	8,924	0.33	0.25	0.93	9,007
Area	0.00	4.02	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0

Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.28	6.86	3.09	37.0	0.09	0.10	3.70	3.79	0.09	0.64	0.73	32.3	10,196	10,229	2.42	0.28	2.16	10,375
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.12	2.73	2.51	37.2	0.09	0.05	3.61	3.66	0.05	0.63	0.67	—	8,849	8,849	0.32	0.24	15.1	8,945
Area	0.21	4.22	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.03	6.03	< 0.005	< 0.005	—	6.05
Energy	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,206	1,206	0.10	0.01	—	1,210
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Waste	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	3.40	6.98	3.09	39.7	0.09	0.10	3.61	3.71	0.09	0.63	0.72	32.3	10,126	10,159	2.41	0.28	16.3	10,318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.57	0.50	0.46	6.79	0.02	0.01	0.66	0.67	0.01	0.11	0.12	—	1,465	1,465	0.05	0.04	2.50	1,481
Area	0.04	0.77	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.00	1.00	< 0.005	< 0.005	—	1.00
Energy	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	200
Water	—	—	—	—	—	—	—	—	—	—	—	2.14	11.0	13.1	0.01	< 0.005	—	14.7
Waste	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	0.62	1.27	0.56	7.24	0.02	0.02	0.66	0.68	0.02	0.11	0.13	5.35	1,677	1,682	0.40	0.05	2.70	1,708

3. Construction Emissions Details

3.1. Demolition (2023) - 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	0.63	0.53	4.84	3.81	0.02	0.17	—	0.17	0.15	—	0.15	—	1,733	1,733	0.07	0.01	—	1,739
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.93	3.93	< 0.005	< 0.005	—	3.94
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.41	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	72.2	72.2	< 0.005	< 0.005	0.31	73.3
Vendor	0.13	0.06	1.99	1.00	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,636	1,636	0.07	0.22	4.37	1,709

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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	0.03	23.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.71	3.71	< 0.005	< 0.005	< 0.005	3.87
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

3.2. Demolition (2023) - 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	0.63	0.53	4.84	3.81	0.02	0.17	—	0.17	0.15	—	0.15	—	1,733	1,733	0.07	0.01	—	1,739
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.93	3.93	< 0.005	< 0.005	—	3.94
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.41	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	72.2	72.2	< 0.005	< 0.005	0.31	73.3
Vendor	0.13	0.06	1.99	1.00	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,636	1,636	0.07	0.22	4.37	1,709
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	0.03	23.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.71	3.71	< 0.005	< 0.005	< 0.005	3.87
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

3.3. Demolition (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	13.5	13.5	—	2.05	2.05	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.19	0.19	—	0.03	0.03	—	—	—	—	—	—	—
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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.03	0.03	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.9	28.9	< 0.005	< 0.005	0.12	29.3
Vendor	0.17	0.08	2.63	1.33	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	2,160	2,160	0.09	0.29	5.77	2,255
Hauling	1.55	0.41	24.5	9.24	0.12	0.23	1.52	1.75	0.23	0.47	0.70	—	18,984	18,984	1.13	3.00	43.1	19,948
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.39
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	29.6	29.6	< 0.005	< 0.005	0.03	30.9
Hauling	0.02	0.01	0.35	0.13	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	260	260	0.02	0.04	0.25	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.90	4.90	< 0.005	< 0.005	0.01	5.11
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	43.1	43.1	< 0.005	0.01	0.04	45.2

3.4. Demolition (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	8.66	8.66	—	1.31	1.31	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.12	0.12	—	0.02	0.02	—	—	—	—	—	—	—
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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 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	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.9	28.9	< 0.005	< 0.005	0.12	29.3
Vendor	0.17	0.08	2.63	1.33	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	2,160	2,160	0.09	0.29	5.77	2,255
Hauling	1.55	0.41	24.5	9.24	0.12	0.23	1.52	1.75	0.23	0.47	0.70	—	18,984	18,984	1.13	3.00	43.1	19,948

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.39
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	29.6	29.6	< 0.005	< 0.005	0.03	30.9
Hauling	0.02	0.01	0.35	0.13	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	260	260	0.02	0.04	0.25	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.90	4.90	< 0.005	< 0.005	0.01	5.11
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	43.1	43.1	< 0.005	0.01	0.04	45.2

3.5. Grading (2023) - 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	3.95	3.32	35.0	24.9	0.07	1.36	—	1.36	1.25	—	1.25	—	7,522	7,522	0.31	0.06	—	7,548
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.92	1.37	< 0.005	0.07	—	0.07	0.07	—	0.07	—	412	412	0.02	< 0.005	—	414
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.35	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.2	68.2	< 0.005	< 0.005	—	68.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.21	3.27	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	577	577	0.02	0.02	2.45	586
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
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	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.4	30.4	< 0.005	< 0.005	0.06	30.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	53.8	53.8	< 0.005	0.01	0.06	56.1

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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.04	5.04	< 0.005	< 0.005	0.01	5.11
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.91	8.91	< 0.005	< 0.005	0.01	9.29
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 (2023) - 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	3.95	3.32	35.0	24.9	0.07	1.36	—	1.36	1.25	—	1.25	—	7,522	7,522	0.31	0.06	—	7,548
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.92	1.37	< 0.005	0.07	—	0.07	0.07	—	0.07	—	412	412	0.02	< 0.005	—	414
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.35	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.2	68.2	< 0.005	< 0.005	—	68.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.21	3.27	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	577	577	0.02	0.02	2.45	586
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
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	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.4	30.4	< 0.005	< 0.005	0.06	30.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	53.8	53.8	< 0.005	0.01	0.06	56.1
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.04	5.04	< 0.005	< 0.005	0.01	5.11
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.91	8.91	< 0.005	< 0.005	0.01	9.29
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. Grading (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.08	1.23	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	217	217	0.01	0.01	0.92	220
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
Hauling	0.37	0.10	5.82	2.20	0.03	0.06	0.36	0.42	0.06	0.11	0.17	—	4,513	4,513	0.27	0.71	10.2	4,742
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.74
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.07	8.07	< 0.005	< 0.005	0.01	8.41
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.1	37.1	< 0.005	0.01	0.04	38.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.39
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.14	6.14	< 0.005	< 0.005	0.01	6.45

3.8. Grading (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.08	1.23	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	217	217	0.01	0.01	0.92	220
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
Hauling	0.37	0.10	5.82	2.20	0.03	0.06	0.36	0.42	0.06	0.11	0.17	—	4,513	4,513	0.27	0.71	10.2	4,742
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.74
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.07	8.07	< 0.005	< 0.005	0.01	8.41
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.1	37.1	< 0.005	0.01	0.04	38.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.39
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.14	6.14	< 0.005	< 0.005	0.01	6.45

3.9. Grading (2023) - 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	2.67	2.24	24.4	13.4	0.04	0.94	—	0.94	0.87	—	0.87	—	4,000	4,000	0.16	0.03	—	4,014

Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	0.37	< 0.005	0.03	—	0.03	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	110
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.21	3.27	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	577	577	0.02	0.02	2.45	586
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
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	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.9	26.9	< 0.005	< 0.005	0.03	28.0
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	< 0.005	< 0.005	0.00	0.00	0.00	—	2.52	2.52	< 0.005	< 0.005	< 0.005	2.55
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	0.01	4.64
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. Grading (2023) - 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	2.67	2.24	24.4	13.4	0.04	0.94	—	0.94	0.87	—	0.87	—	4,000	4,000	0.16	0.03	—	4,014
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	0.37	< 0.005	0.03	—	0.03	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	110
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.21	3.27	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	577	577	0.02	0.02	2.45	586
Vendor	0.08	0.04	1.20	0.60	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	982	982	0.04	0.13	2.62	1,025
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	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.9	26.9	< 0.005	< 0.005	0.03	28.0

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	< 0.005	< 0.005	0.00	0.00	0.00	—	2.52	2.52	< 0.005	< 0.005	< 0.005	2.55
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	0.01	4.64
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 (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	4.19	3.20	0.01	0.17	—	0.17	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.01	0.01	0.08	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.4	19.4	< 0.005	< 0.005	—	19.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.21	3.21	< 0.005	< 0.005	—	3.22
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.47	0.39	0.52	5.90	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,163	1,163	0.05	0.04	0.13	1,177
Vendor	0.13	0.06	2.08	1.02	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,637	1,637	0.07	0.22	0.11	1,705
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	0.01	0.01	0.01	0.12	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	32.0	32.0	< 0.005	< 0.005	0.04	33.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.82	3.82	< 0.005	< 0.005	0.01	3.88
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.30	5.30	< 0.005	< 0.005	0.01	5.53
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

3.12. Building Construction (2023) - Mitigated

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

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

Off-Road Equipment	0.48	0.40	4.19	3.20	0.01	0.17	—	0.17	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.01	0.01	0.08	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.4	19.4	< 0.005	< 0.005	—	19.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.21	3.21	< 0.005	< 0.005	—	3.22
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.47	0.39	0.52	5.90	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,163	1,163	0.05	0.04	0.13	1,177
Vendor	0.13	0.06	2.08	1.02	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,637	1,637	0.07	0.22	0.11	1,705
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	0.01	0.01	0.01	0.12	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	32.0	32.0	< 0.005	< 0.005	0.04	33.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.82	3.82	< 0.005	< 0.005	0.01	3.88

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.30	5.30	< 0.005	< 0.005	0.01	5.53
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

3.13. Building Construction (2024) - 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	0.47	0.39	4.00	3.15	0.01	0.16	—	0.16	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.47	0.39	4.00	3.15	0.01	0.16	—	0.16	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.34	0.28	2.86	2.26	0.01	0.12	—	0.12	0.11	—	0.11	—	709	709	0.03	0.01	—	712
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	0.06	0.05	0.52	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
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	0.42	0.38	0.41	6.41	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,200	1,200	0.05	0.04	4.73	1,218
Vendor	0.13	0.05	1.90	0.93	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,613	1,613	0.07	0.22	4.37	1,685
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	0.42	0.38	0.48	5.42	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,137	1,137	0.05	0.04	0.12	1,151
Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,614	1,614	0.07	0.22	0.11	1,682
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	0.30	0.27	0.34	4.08	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	827	827	0.04	0.03	1.46	838
Vendor	0.09	0.04	1.43	0.67	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,156	1,156	0.05	0.16	1.35	1,206
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	0.05	0.05	0.06	0.75	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	137	137	0.01	< 0.005	0.24	139
Vendor	0.02	0.01	0.26	0.12	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	191	191	0.01	0.03	0.22	200
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. Building Construction (2024) - 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	0.47	0.39	4.00	3.15	0.01	0.16	—	0.16	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.47	0.39	4.00	3.15	0.01	0.16	—	0.16	0.15	—	0.15	—	990	990	0.04	0.01	—	994
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	0.34	0.28	2.86	2.26	0.01	0.12	—	0.12	0.11	—	0.11	—	709	709	0.03	0.01	—	712
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	0.06	0.05	0.52	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
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	0.42	0.38	0.41	6.41	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,200	1,200	0.05	0.04	4.73	1,218
Vendor	0.13	0.05	1.90	0.93	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,613	1,613	0.07	0.22	4.37	1,685
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	0.42	0.38	0.48	5.42	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,137	1,137	0.05	0.04	0.12	1,151

Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,614	1,614	0.07	0.22	0.11	1,682
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	0.30	0.27	0.34	4.08	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	827	827	0.04	0.03	1.46	838
Vendor	0.09	0.04	1.43	0.67	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,156	1,156	0.05	0.16	1.35	1,206
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	0.05	0.05	0.06	0.75	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	137	137	0.01	< 0.005	0.24	139
Vendor	0.02	0.01	0.26	0.12	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	191	191	0.01	0.03	0.22	200
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. 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	0.45	0.38	3.66	3.12	0.01	0.15	—	0.15	0.14	—	0.14	—	990	990	0.04	0.01	—	994
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	0.45	0.38	3.66	3.12	0.01	0.15	—	0.15	0.14	—	0.14	—	990	990	0.04	0.01	—	994
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	0.21	0.18	1.70	1.45	< 0.005	0.07	—	0.07	0.06	—	0.06	—	459	459	0.02	< 0.005	—	461
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	0.31	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.0	76.0	< 0.005	< 0.005	—	76.3
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	0.41	0.36	0.37	5.91	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,175	1,175	0.05	0.04	4.30	1,193
Vendor	0.11	0.05	1.80	0.88	0.01	0.02	0.09	0.11	0.01	0.03	0.04	—	1,586	1,586	0.07	0.22	4.34	1,659
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	0.40	0.36	0.41	5.01	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,114	1,114	0.05	0.04	0.11	1,128
Vendor	0.11	0.05	1.88	0.89	0.01	0.02	0.09	0.11	0.01	0.03	0.04	—	1,587	1,587	0.07	0.22	0.11	1,655
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	0.19	0.17	0.20	2.44	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	524	524	0.02	0.02	0.86	531
Vendor	0.05	0.02	0.88	0.41	0.01	0.01	0.04	0.05	0.01	0.02	0.02	—	736	736	0.03	0.10	0.87	768
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	0.04	0.45	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	86.8	86.8	< 0.005	< 0.005	0.14	88.0

Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	122	122	0.01	0.02	0.14	127
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. 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
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.66	3.12	0.01	0.15	—	0.15	0.14	—	0.14	—	990	990	0.04	0.01	—	994
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	0.45	0.38	3.66	3.12	0.01	0.15	—	0.15	0.14	—	0.14	—	990	990	0.04	0.01	—	994
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	0.21	0.18	1.70	1.45	< 0.005	0.07	—	0.07	0.06	—	0.06	—	459	459	0.02	< 0.005	—	461
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	0.31	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.0	76.0	< 0.005	< 0.005	—	76.3
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	0.41	0.36	0.37	5.91	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,175	1,175	0.05	0.04	4.30	1,193
Vendor	0.11	0.05	1.80	0.88	0.01	0.02	0.09	0.11	0.01	0.03	0.04	—	1,586	1,586	0.07	0.22	4.34	1,659
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	0.40	0.36	0.41	5.01	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,114	1,114	0.05	0.04	0.11	1,128
Vendor	0.11	0.05	1.88	0.89	0.01	0.02	0.09	0.11	0.01	0.03	0.04	—	1,587	1,587	0.07	0.22	0.11	1,655
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	0.19	0.17	0.20	2.44	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	524	524	0.02	0.02	0.86	531
Vendor	0.05	0.02	0.88	0.41	0.01	0.01	0.04	0.05	0.01	0.02	0.02	—	736	736	0.03	0.10	0.87	768
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	0.04	0.45	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	86.8	86.8	< 0.005	< 0.005	0.14	88.0
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	122	122	0.01	0.02	0.14	127
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

3.17. Paving (2023) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	1.80	20.0	12.1	0.04	0.73	—	0.73	0.67	—	0.67	—	4,239	4,239	0.17	0.03	—	4,254
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.04	0.39	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.0	83.0	< 0.005	< 0.005	—	83.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.32	0.43	4.86	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	958	958	0.04	0.03	0.11	969
Vendor	0.09	0.04	1.46	0.71	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,146	1,146	0.05	0.16	0.08	1,193
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	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.0	19.0	< 0.005	< 0.005	0.04	19.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	0.03	23.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.15	3.15	< 0.005	< 0.005	0.01	3.19
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.71	3.71	< 0.005	< 0.005	< 0.005	3.87
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

3.18. Paving (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	1.80	20.0	12.1	0.04	0.73	—	0.73	0.67	—	0.67	—	4,239	4,239	0.17	0.03	—	4,254
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.04	0.39	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.0	83.0	< 0.005	< 0.005	—	83.2
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.32	0.43	4.86	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	958	958	0.04	0.03	0.11	969
Vendor	0.09	0.04	1.46	0.71	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,146	1,146	0.05	0.16	0.08	1,193
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	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.0	19.0	< 0.005	< 0.005	0.04	19.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	0.03	23.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.15	3.15	< 0.005	< 0.005	0.01	3.19
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.71	3.71	< 0.005	< 0.005	< 0.005	3.87
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

3.19. Paving (2024) - 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	—	—	—	—	—	—	—	—	— B-80	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	1.72	18.2	11.8	0.04	0.67	—	0.67	0.62	—	0.62	—	4,239	4,239	0.17	0.03	—	4,254
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.13	0.11	1.14	0.74	< 0.005	0.04	—	0.04	0.04	—	0.04	—	265	265	0.01	< 0.005	—	266
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	0.02	0.02	0.21	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.0	44.0	< 0.005	< 0.005	—	44.1
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.40	4.46	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	937	937	0.04	0.03	0.10	948
Vendor	0.09	0.03	1.38	0.67	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,130	1,130	0.05	0.16	0.08	1,177

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	0.02	0.02	0.02	0.29	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	59.5	59.5	< 0.005	< 0.005	0.11	60.4
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	70.7	70.7	< 0.005	0.01	0.08	73.8
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.86	9.86	< 0.005	< 0.005	0.02	9.99
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	12.2
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

3.20. Paving (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	1.72	18.2	11.8	0.04	0.67	—	0.67	0.62	—	0.62	—	4,239	4,239	0.17	0.03	—	4,254
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.13	0.11	1.14	0.74	< 0.005	0.04	—	0.04	0.04	—	0.04	—	265	265	0.01	< 0.005	—	266

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	0.02	0.02	0.21	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.0	44.0	< 0.005	< 0.005	—	44.1
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.40	4.46	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	937	937	0.04	0.03	0.10	948
Vendor	0.09	0.03	1.38	0.67	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,130	1,130	0.05	0.16	0.08	1,177
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	0.02	0.02	0.02	0.29	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	59.5	59.5	< 0.005	< 0.005	0.11	60.4
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	70.7	70.7	< 0.005	0.01	0.08	73.8
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.86	9.86	< 0.005	< 0.005	0.02	9.99
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	12.2
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

3.21. Architectural Coating (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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	12.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.21	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.3
Architectural Coatings	—	2.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.33	5.33	< 0.005	< 0.005	—	5.35
Architectural Coatings	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.07	1.18	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	0.86	239
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	54.5	54.5	< 0.005	< 0.005	0.09	55.2
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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.03	9.03	< 0.005	< 0.005	0.01	9.15
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

3.22. Architectural Coating (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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	12.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.21	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.3
Architectural Coatings	—	2.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.33	5.33	< 0.005	< 0.005	—	5.35
Architectural Coatings	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.07	1.18	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	0.86	239
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.25	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	54.5	54.5	< 0.005	< 0.005	0.09	55.2
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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.03	9.03	< 0.005	< 0.005	0.01	9.15
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

3.23. Trenching (2023) - 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	0.80	0.67	6.32	6.04	0.02	0.24	—	0.24	0.22	—	0.22	—	2,072	2,072	0.08	0.02	—	2,079
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	0.80	0.67	6.32	6.04	0.02	0.24	—	0.24	0.22	—	0.22	—	2,072	2,072	0.08	0.02	—	2,079
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	0.24	0.21	1.94	1.85	0.01	0.07	—	0.07	0.07	—	0.07	—	636	636	0.03	0.01	—	638

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	0.04	0.35	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	106
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	0.36	0.31	0.34	5.31	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	938	938	0.04	0.03	3.98	953
Vendor	0.09	0.04	1.40	0.70	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,145	1,145	0.05	0.16	3.06	1,196
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	0.36	0.30	0.40	4.51	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	889	889	0.04	0.03	0.10	900
Vendor	0.09	0.04	1.46	0.71	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,146	1,146	0.05	0.16	0.08	1,193
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	0.11	0.09	0.12	1.45	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	277	277	0.01	0.01	0.53	281
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	352	352	0.01	0.05	0.41	367
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	0.26	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	45.8	45.8	< 0.005	< 0.005	0.09	46.5
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	58.2	58.2	< 0.005	0.01	0.07	60.7
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

3.24. Trenching (2023) - 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	0.80	0.67	6.32	6.04	0.02	0.24	—	0.24	0.22	—	0.22	—	2,072	2,072	0.08	0.02	—	2,079
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	0.80	0.67	6.32	6.04	0.02	0.24	—	0.24	0.22	—	0.22	—	2,072	2,072	0.08	0.02	—	2,079
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	0.24	0.21	1.94	1.85	0.01	0.07	—	0.07	0.07	—	0.07	—	636	636	0.03	0.01	—	638
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	0.04	0.35	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	106
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	0.36	0.31	0.34	5.31	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	938	938	0.04	0.03	3.98	953
Vendor	0.09	0.04	1.40	0.70	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,145	1,145	0.05	0.16	3.06	1,196
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	0.36	0.30	0.40	4.51	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	889	889	0.04	0.03	0.10	900
Vendor	0.09	0.04	1.46	0.71	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,146	1,146	0.05	0.16	0.08	1,193
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	0.11	0.09	0.12	1.45	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	277	277	0.01	0.01	0.53	281
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	352	352	0.01	0.05	0.41	367
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	0.26	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	45.8	45.8	< 0.005	< 0.005	0.09	46.5
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	58.2	58.2	< 0.005	0.01	0.07	60.7
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

3.25. Trenching (2024) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.60	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	113	113	< 0.005	< 0.005	0.45	115
Vendor	0.03	0.01	0.46	0.22	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	387	387	0.02	0.05	1.05	404
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	0.05	0.51	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	< 0.005	< 0.005	0.01	108

Vendor	0.03	0.01	0.47	0.23	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	387	387	0.02	0.05	0.03	404
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	0.03	0.02	0.03	0.35	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	71.2	71.2	< 0.005	< 0.005	0.13	72.2
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.01	0.02	< 0.005	0.01	0.01	—	254	254	0.01	0.03	0.30	265
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	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.8	11.8	< 0.005	< 0.005	0.02	12.0
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.05	43.8
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

3.26. Trenching (2024) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.60	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	113	113	< 0.005	< 0.005	0.45	115
Vendor	0.03	0.01	0.46	0.22	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	387	387	0.02	0.05	1.05	404
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	0.05	0.51	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	< 0.005	< 0.005	0.01	108
Vendor	0.03	0.01	0.47	0.23	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	387	387	0.02	0.05	0.03	404
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	0.03	0.02	0.03	0.35	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	71.2	71.2	< 0.005	< 0.005	0.13	72.2
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.01	0.02	< 0.005	0.01	0.01	—	254	254	0.01	0.03	0.30	265
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	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.8	11.8	< 0.005	< 0.005	0.02	12.0

Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.05	43.8
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

3.27. Trenching (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	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	111	111	< 0.005	< 0.005	0.40	112
Vendor	0.03	0.01	0.43	0.21	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	381	381	0.02	0.05	1.04	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.47	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	105	105	< 0.005	< 0.005	0.01	106
Vendor	0.03	0.01	0.45	0.21	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	381	381	0.02	0.05	0.03	397
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	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	49.3	49.3	< 0.005	< 0.005	0.08	50.0
Vendor	0.01	0.01	0.21	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	177	177	0.01	0.02	0.21	184
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	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.17	8.17	< 0.005	< 0.005	0.01	8.28
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	29.2	29.2	< 0.005	< 0.005	0.03	30.5
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

3.28. Trenching (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	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	111	111	< 0.005	< 0.005	0.40	112
Vendor	0.03	0.01	0.43	0.21	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	381	381	0.02	0.05	1.04	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.47	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	105	105	< 0.005	< 0.005	0.01	106

Vendor	0.03	0.01	0.45	0.21	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	381	381	0.02	0.05	0.03	397
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	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	49.3	49.3	< 0.005	< 0.005	0.08	50.0
Vendor	0.01	0.01	0.21	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	177	177	0.01	0.02	0.21	184
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	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.17	8.17	< 0.005	< 0.005	0.01	8.28
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	29.2	29.2	< 0.005	< 0.005	0.03	30.5
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.23	2.83	2.25	41.6	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	9,404	9,404	0.32	0.23	35.8	9,516
Other 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

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	3.23	2.83	2.25	41.6	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	9,404	9,404	0.32	0.23	35.8	9,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.21	2.81	2.52	36.7	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	8,924	8,924	0.33	0.25	0.93	9,007
Other 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
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	3.21	2.81	2.52	36.7	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	8,924	8,924	0.33	0.25	0.93	9,007
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.57	0.50	0.46	6.79	0.02	0.01	0.10	0.10	0.01	0.03	0.04	—	1,465	1,465	0.05	0.04	2.50	1,481
Other 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
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	0.57	0.50	0.46	6.79	0.02	0.01	0.10	0.10	0.01	0.03	0.04	—	1,465	1,465	0.05	0.04	2.50	1,481

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.23	2.83	2.25	41.6	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	9,404	9,404	0.32	0.23	35.8	9,516
Other 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
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	3.23	2.83	2.25	41.6	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	9,404	9,404	0.32	0.23	35.8	9,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.21	2.81	2.52	36.7	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	8,924	8,924	0.33	0.25	0.93	9,007
Other 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
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	3.21	2.81	2.52	36.7	0.09	0.05	0.53	0.58	0.05	0.16	0.21	—	8,924	8,924	0.33	0.25	0.93	9,007
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.57	0.50	0.46	6.79	0.02	0.01	0.10	0.10	0.01	0.03	0.04	—	1,465	1,465	0.05	0.04	2.50	1,481
Other 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
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	0.57	0.50	0.46	6.79	0.02	0.01	0.10	0.10	0.01	0.03	0.04	—	1,465	1,465	0.05	0.04	2.50	1,481

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	81.6	81.6	0.01	< 0.005	—	82.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	81.6	81.6	0.01	< 0.005	—	82.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	493	493	0.04	< 0.005	—	495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	81.6	81.6	0.01	< 0.005	—	82.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	81.6	81.6	0.01	< 0.005	—	82.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715

Other 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
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	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Other 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
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	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118
Other 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
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	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Other 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
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	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Other 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
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	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	713	713	0.06	< 0.005	—	715
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118
Other 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

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	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	0.01	< 0.005	—	118

4.3. Area Emissions by Source

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.30	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.80	8.80	< 0.005	< 0.005	—	8.83
Total	0.31	16.6	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.80	8.80	< 0.005	< 0.005	—	8.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.02	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04	0.04	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.00	1.00	< 0.005	< 0.005	—	1.00
Total	0.04	1.31	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.00	1.00	< 0.005	< 0.005	—	1.00

4.3.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.30	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.80	8.80	< 0.005	< 0.005	—	8.83

Total	0.31	16.6	0.03	3.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.80	8.80	< 0.005	< 0.005	—	8.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.02	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04	0.04	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.00	1.00	< 0.005	< 0.005	—	1.00
Total	0.04	1.31	< 0.005	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.00	1.00	< 0.005	< 0.005	—	1.00

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.9	50.8	63.8	0.05	0.03	—	73.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	15.4	15.4	< 0.005	< 0.005	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.9	50.8	63.8	0.05	0.03	—	73.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	15.4	15.4	< 0.005	< 0.005	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.14	8.41	10.6	0.01	< 0.005	—	12.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	2.55	2.55	< 0.005	< 0.005	—	2.56

Total	—	—	—	—	—	—	—	—	—	—	—	2.14	11.0	13.1	0.01	< 0.005	—	14.7

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.9	50.8	63.8	0.05	0.03	—	73.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	15.4	15.4	< 0.005	< 0.005	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.9	50.8	63.8	0.05	0.03	—	73.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	15.4	15.4	< 0.005	< 0.005	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	66.2	79.1	0.05	0.03	—	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.14	8.41	10.6	0.01	< 0.005	—	12.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	2.55	2.55	< 0.005	< 0.005	—	2.56
Total	—	—	—	—	—	—	—	—	—	—	—	2.14	11.0	13.1	0.01	< 0.005	—	14.7

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	3.21	0.00	3.21	0.32	0.00	—	11.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.24	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20

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
Asphalt Demolition	Demolition	6/12/2023	6/16/2023	5.00	5.00	—
Asphalt Demolition Debris Haul	Demolition	6/12/2023	6/16/2023	5.00	5.00	—
Rough Grading	Grading	6/16/2023	7/13/2023	5.00	20.0	—
Rough Grading Soil Haul	Grading	6/16/2023	6/20/2023	5.00	3.00	—
Fine Grading	Grading	7/7/2023	7/20/2023	5.00	10.0	—
Building Construction	Building Construction	12/22/2023	8/25/2025	5.00	437	—
Paving	Paving	12/22/2023	2/1/2024	5.00	30.0	—
Architectural Coating	Architectural Coating	4/24/2025	8/25/2025	5.00	88.0	—
Utility Trenching	Trenching	7/20/2023	12/22/2023	5.00	112	—
Finishing/Landscaping	Trenching	2/1/2024	8/25/2025	5.00	408	—

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
Asphalt Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition	Excavators	Diesel	Average	1.00	8.00	271	0.38
Asphalt Demolition	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Asphalt Demolition Debris Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition Debris Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Rough Grading	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	175	0.40
Rough Grading Soil Haul	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading Soil Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading Soil Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Fine Grading	Graders	Diesel	Average	2.00	8.00	180	0.41
Fine Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37

Fine Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	215	0.40
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	185	0.42
Paving	Paving Equipment	Diesel	Average	0.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	284	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Asphalt Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Rough Grading	Scrapers	Diesel	Average	2.00	8.00	570	0.48
Rough Grading	Rollers	Diesel	Average	1.00	8.00	496	0.38
Fine Grading	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Utility Trenching	Excavators	Diesel	Average	1.00	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	98.0	0.37
Paving	Graders	Diesel	Average	1.00	8.00	180	0.41
Paving	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Finishing/Landscaping	Welders	Diesel	Average	0.00	8.00	0.00	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Asphalt Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition	Excavators	Diesel	Average	1.00	8.00	271	0.38

Asphalt Demolition	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Asphalt Demolition Debris Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition Debris Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Rough Grading	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	175	0.40
Rough Grading Soil Haul	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading Soil Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading Soil Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Fine Grading	Graders	Diesel	Average	2.00	8.00	180	0.41
Fine Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Fine Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	215	0.40
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37

Paving	Pavers	Diesel	Average	1.00	8.00	185	0.42
Paving	Paving Equipment	Diesel	Average	0.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	284	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Asphalt Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Rough Grading	Scrapers	Diesel	Average	2.00	8.00	570	0.48
Rough Grading	Rollers	Diesel	Average	1.00	8.00	496	0.38
Fine Grading	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Utility Trenching	Excavators	Diesel	Average	1.00	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	98.0	0.37
Paving	Graders	Diesel	Average	1.00	8.00	180	0.41
Paving	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Finishing/Landscaping	Welders	Diesel	Average	0.00	8.00	0.00	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Asphalt Demolition	—	—	—	—
Asphalt Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition	Vendor	50.0	10.2	HHDT,MHDT
Asphalt Demolition	Hauling	0.00	20.0	HHDT
Asphalt Demolition	Onsite truck	0.00	—	HHDT
Asphalt Demolition Debris Haul	—	—	—	—

Asphalt Demolition Debris Haul	Worker	2.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition Debris Haul	Vendor	66.0	10.2	HHDT,MHDT
Asphalt Demolition Debris Haul	Hauling	265	20.0	HHDT
Asphalt Demolition Debris Haul	Onsite truck	0.00	—	HHDT
Rough Grading	—	—	—	—
Rough Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading	Hauling	0.00	20.0	HHDT
Rough Grading	Onsite truck	0.00	—	HHDT
Rough Grading Soil Haul	—	—	—	—
Rough Grading Soil Haul	Worker	15.0	18.5	LDA,LDT1,LDT2
Rough Grading Soil Haul	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading Soil Haul	Hauling	63.0	20.0	HHDT
Rough Grading Soil Haul	Onsite truck	0.00	—	HHDT
Fine Grading	—	—	—	—
Fine Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Fine Grading	Vendor	30.0	10.2	HHDT,MHDT
Fine Grading	Hauling	0.00	20.0	HHDT
Fine Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	85.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	35.0	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Utility Trenching	—	—	—	—
Utility Trenching	Worker	65.0	18.5	LDA,LDT1,LDT2
Utility Trenching	Vendor	35.0	10.2	HHDT,MHDT
Utility Trenching	Hauling	0.00	20.0	HHDT
Utility Trenching	Onsite truck	0.00	—	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	8.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	12.0	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Asphalt Demolition	—	—	—	—
Asphalt Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition	Vendor	50.0	10.2	HHDT,MHDT
Asphalt Demolition	Hauling	0.00	20.0	HHDT
Asphalt Demolition	Onsite truck	0.00	—	HHDT
Asphalt Demolition Debris Haul	—	—	—	—
Asphalt Demolition Debris Haul	Worker	2.00	18.5	LDA,LDT1,LDT2

Asphalt Demolition Debris Haul	Vendor	66.0	10.2	HHDT,MHDT
Asphalt Demolition Debris Haul	Hauling	265	20.0	HHDT
Asphalt Demolition Debris Haul	Onsite truck	0.00	—	HHDT
Rough Grading	—	—	—	—
Rough Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading	Hauling	0.00	20.0	HHDT
Rough Grading	Onsite truck	0.00	—	HHDT
Rough Grading Soil Haul	—	—	—	—
Rough Grading Soil Haul	Worker	15.0	18.5	LDA,LDT1,LDT2
Rough Grading Soil Haul	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading Soil Haul	Hauling	63.0	20.0	HHDT
Rough Grading Soil Haul	Onsite truck	0.00	—	HHDT
Fine Grading	—	—	—	—
Fine Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Fine Grading	Vendor	30.0	10.2	HHDT,MHDT
Fine Grading	Hauling	0.00	20.0	HHDT
Fine Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	85.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	35.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Utility Trenching	—	—	—	—
Utility Trenching	Worker	65.0	18.5	LDA,LDT1,LDT2
Utility Trenching	Vendor	35.0	10.2	HHDT,MHDT
Utility Trenching	Hauling	0.00	20.0	HHDT
Utility Trenching	Onsite truck	0.00	—	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	8.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	12.0	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	349,857	116,619	0.00	0.00	0.00

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)
Asphalt Demolition	0.00	0.00	0.00	0.00	—
Asphalt Demolition Debris Haul	0.00	0.00	0.00	67,460	—
Rough Grading	0.00	0.00	50.0	0.00	—
Rough Grading Soil Haul	1,330	0.00	0.00	0.00	—
Fine Grading	0.00	0.00	25.0	0.00	—
Paving	0.00	0.00	0.00	0.00	8.24

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.64	0%
Other Asphalt Surfaces	1.46	100%
Other Non-Asphalt Surfaces	3.23	0%
Other Non-Asphalt Surfaces	0.51	0%
Other Non-Asphalt Surfaces	2.39	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	450	0.03	< 0.005

2024	0.00	450	0.03	< 0.005
2025	0.00	450	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	612	596	531	218,322	13,648	13,291	11,841	4,868,584
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	612	596	531	218,322	13,648	13,291	11,841	4,868,584
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	58
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	58
Conventional Wood Stoves	0
Catalytic Wood Stoves	0

Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
349857.225	116,619	0.00	0.00	0.00

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

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)
Single Family Housing	399,918	450	0.0330	0.0040	2,223,450
Other Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00

Other Non-Asphalt Surfaces	0.00	450	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)
Single Family Housing	399,918	450	0.0330	0.0040	2,223,450
Other Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	450	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	450	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)
Single Family Housing	6,054,620	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	2,352,060
Other Non-Asphalt Surfaces	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)
Single Family Housing	6,054,620	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	2,352,060
Other Non-Asphalt Surfaces	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)
Single Family Housing	36.0	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	36.0	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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

5.15.2. Mitigated

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

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

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.7	annual days of extreme heat
Extreme Precipitation	9.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	31.6	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	2	0	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	5	3	3	3

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	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	5	3	3	3

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.

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	91.1
AQ-PM	93.3
AQ-DPM	64.2
Drinking Water	94.9
Lead Risk Housing	16.7
Pesticides	4.41
Toxic Releases	52.8
Traffic	85.2
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	0.00
Haz Waste Facilities/Generators	51.7
Impaired Water Bodies	12.5
Solid Waste	12.9
Sensitive Population	—
Asthma	29.4
Cardio-vascular	45.5
Low Birth Weights	27.6
Socioeconomic Factor Indicators	—
Education	7.40
Housing	10.8
Linguistic	22.2
Poverty	7.37
Unemployment	63.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	94.70037213
Employed	71.97484922
Education	—
Bachelor's or higher	88.22019761
High school enrollment	7.096111895
Preschool enrollment	76.10676248
Transportation	—
Auto Access	73.42486847
Active commuting	48.24842808
Social	—
2-parent households	83.42101886
Voting	67.62479148
Neighborhood	—
Alcohol availability	83.1258822
Park access	81.35506224
Retail density	12.96034903
Supermarket access	32.28538432
Tree canopy	62.79994867
Housing	—
Homeownership	96.85615296
Housing habitability	98.85794944
Low-inc homeowner severe housing cost burden	83.80597973
Low-inc renter severe housing cost burden	96.97164122

Uncrowded housing	96.93314513
Health Outcomes	—
Insured adults	92.23662261
Arthritis	0.0
Asthma ER Admissions	64.5
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	70.2
Cognitively Disabled	52.2
Physically Disabled	77.4
Heart Attack ER Admissions	43.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	21.6

SLR Inundation Area	0.0
Children	51.6
Elderly	13.4
English Speaking	76.8
Foreign-born	34.5
Outdoor Workers	84.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	83.1
Traffic Density	74.0
Traffic Access	23.0
Other Indices	—
Hardship	12.5
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	31.0
Healthy Places Index Score for Project Location (b)	86.0
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 and Equity Evaluation Scorecard not completed.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Based on 2021 SCE Sustainability Report
Land Use	based on data from applicant
Construction: Construction Phases	based on information from applicant
Construction: Off-Road Equipment	based on information from applicant
Construction: Architectural Coatings	only residential area to be painted
Construction: Electricity	based on SCE Sustainability Report
Construction: Trips and VMT	based on inforomation from applicant
Operations: Vehicle Data	based on information received from traffic consultant
Operations: Fleet Mix	see fleet mix adjustment in assumptions file
Operations: Hearths	no fireplaces based on information from applicant
Operations: Architectural Coatings	single family home coating only
Operations: Solid Waste	based on info from utilities section
Operations: Water and Waste Water	based on information from the utilities section, Assumes 100% aerobic treatment.
Characteristics: Project Details	—

Mitigated Construction CalEEMod Outputs

Trumark Residential Project (Mitigated) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Trumark Residential Project (Mitigated)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	15.4
Location	Forbes Ave & E Miramar Ave, Claremont, CA 91711, USA
County	Los Angeles-South Coast
City	Claremont
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5013
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Single Family Housing	58.0	Dwelling Unit	1.98	172,769	0.00	0.00	172	—
Other Asphalt Surfaces	63.5	1000sqft	1.46	0.00	0.00	0.00	—	—

Other Non-Asphalt Surfaces	141	1000sqft	3.23	0.00	140,903	0.00	—	—
Other Non-Asphalt Surfaces	22.4	1000sqft	0.51	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	104	1000sqft	2.39	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
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

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.	4.18	13.3	45.4	59.3	0.20	1.21	19.4	20.0	1.12	7.58	8.62	—	28,003	28,003	1.36	2.81	46.9	28,922
Mit.	4.18	13.3	45.4	59.3	0.20	1.21	12.2	12.7	1.12	3.38	4.23	—	28,003	28,003	1.36	2.81	46.9	28,922
% Reduced	—	—	—	—	—	—	37%	37%	—	55%	51%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.85	4.13	36.5	38.2	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,176	14,176	0.59	0.73	0.62	14,409
Mit.	4.85	4.13	36.5	38.2	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,176	14,176	0.59	0.73	0.62	14,409
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.91	3.38	6.11	8.33	0.02	0.18	1.48	1.61	0.17	0.47	0.60	—	3,393	3,393	0.14	0.25	3.43	3,474
Mit.	0.91	3.38	6.11	8.33	0.02	0.18	1.30	1.48	0.17	0.32	0.49	—	3,393	3,393	0.14	0.25	3.43	3,474
% Reduced	—	—	—	—	—	—	12%	8%	—	31%	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.62	1.12	1.52	< 0.005	0.03	0.27	0.29	0.03	0.09	0.11	—	562	562	0.02	0.04	0.57	575
Mit.	0.17	0.62	1.12	1.52	< 0.005	0.03	0.24	0.27	0.03	0.06	0.09	—	562	562	0.02	0.04	0.57	575
% Reduced	—	—	—	—	—	—	12%	8%	—	31%	18%	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.18	3.54	45.4	59.3	0.20	1.21	19.4	20.0	1.12	7.58	8.62	—	28,003	28,003	1.36	2.81	46.9	28,922
2024	1.08	0.88	6.69	11.1	0.02	0.19	1.75	1.93	0.18	0.43	0.61	—	4,286	4,286	0.17	0.33	10.6	4,399
2025	1.28	13.3	7.16	12.9	0.02	0.20	1.97	2.17	0.19	0.48	0.67	—	4,594	4,594	0.19	0.34	11.0	4,711

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.85	4.13	36.5	38.2	0.09	1.18	3.90	5.09	1.09	0.96	2.05	—	14,176	14,176	0.59	0.73	0.62	14,409
2024	3.54	3.05	26.7	26.6	0.07	0.87	2.96	3.83	0.81	0.73	1.54	—	10,498	10,498	0.44	0.55	0.46	10,674
2025	0.99	0.79	6.34	9.43	0.02	0.18	1.75	1.92	0.16	0.43	0.60	—	4,152	4,152	0.18	0.33	0.26	4,255
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.62	0.51	5.43	7.00	0.02	0.14	1.48	1.61	0.13	0.47	0.60	—	2,547	2,547	0.11	0.16	1.70	2,598
2024	0.91	0.75	6.11	8.33	0.02	0.18	1.30	1.48	0.17	0.32	0.49	—	3,393	3,393	0.14	0.25	3.43	3,474
2025	0.51	3.38	3.18	5.02	0.01	0.09	0.86	0.94	0.08	0.21	0.29	—	2,020	2,020	0.09	0.16	2.12	2,071
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.11	0.09	0.99	1.28	< 0.005	0.03	0.27	0.29	0.02	0.09	0.11	—	422	422	0.02	0.03	0.28	430
2024	0.17	0.14	1.12	1.52	< 0.005	0.03	0.24	0.27	0.03	0.06	0.09	—	562	562	0.02	0.04	0.57	575
2025	0.09	0.62	0.58	0.92	< 0.005	0.02	0.16	0.17	0.02	0.04	0.05	—	334	334	0.01	0.03	0.35	343

3. Construction Emissions Details

3.1. Demolition (2023) - 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	0.20	0.20	4.24	8.54	0.02	0.03	—	0.03	0.03	—	0.03	—	1,733	1,733	0.07	0.01	—	1,739
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Demolition	—	—	—	—	—	—	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	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	—	3.93	3.93	< 0.005	< 0.005	—	3.94
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.40	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	72.0	72.0	< 0.005	< 0.005	0.31	73.1
Vendor	0.13	0.05	1.89	0.90	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,623	1,623	0.07	0.22	4.37	1,695
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95

Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.2	22.2	< 0.005	< 0.005	0.03	23.2
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	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	< 0.005	3.85
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

3.2. Demolition (2023) - 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	0.20	0.20	4.24	8.54	0.02	0.03	—	0.03	0.03	—	0.03	—	1,733	1,733	0.07	0.01	—	1,739
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Demolition	—	—	—	—	—	—	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	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	—	3.93	3.93	< 0.005	< 0.005	—	3.94
Demolition	—	—	—	—	—	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.40	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	72.0	72.0	< 0.005	< 0.005	0.31	73.1
Vendor	0.13	0.05	1.89	0.90	0.01	0.02	0.09	0.11	0.02	0.03	0.06	—	1,623	1,623	0.07	0.22	4.37	1,695
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.2	22.2	< 0.005	< 0.005	0.03	23.2
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	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	< 0.005	3.85
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

3.3. Demolition (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	5.20	5.20	—	0.79	0.79	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.19	0.19	—	0.03	0.03	—	—	—	—	—	—	—
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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Demolition	—	—	—	—	—	—	0.03	0.03	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.8	28.8	< 0.005	< 0.005	0.12	29.2

Vendor	0.17	0.06	2.50	1.19	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	2,142	2,142	0.09	0.29	5.77	2,238
Hauling	0.58	0.17	9.50	3.52	0.05	0.14	0.57	0.71	0.09	0.19	0.28	—	7,643	7,643	0.45	1.21	17.4	8,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	76.3	76.3	< 0.005	0.01	0.09	79.8
Hauling	0.02	0.01	0.36	0.13	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	272	272	0.02	0.04	0.27	286
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.01	13.2
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.1	45.1	< 0.005	0.01	0.04	47.3

3.4. Demolition (2023) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	3.33	3.33	—	0.50	0.50	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Demolitio	—	—	—	—	—	—	0.12	0.12	—	0.02	0.02	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 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	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.8	28.8	< 0.005	< 0.005	0.12	29.2
Vendor	0.17	0.06	2.50	1.19	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	2,142	2,142	0.09	0.29	5.77	2,238
Hauling	0.58	0.17	9.50	3.52	0.05	0.14	0.57	0.71	0.09	0.19	0.28	—	7,643	7,643	0.45	1.21	17.4	8,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	76.3	76.3	< 0.005	0.01	0.09	79.8
Hauling	0.02	0.01	0.36	0.13	< 0.005	0.01	0.02	0.03	< 0.005	0.01	0.01	—	272	272	0.02	0.04	0.27	286
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.01	13.2
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.1	45.1	< 0.005	0.01	0.04	47.3

3.5. Grading (2023) - 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	0.85	0.85	18.3	36.9	0.07	0.14	—	0.14	0.14	—	0.14	—	7,522	7,522	0.31	0.06	—	7,548
Dust From Material Movement	—	—	—	—	—	—	8.67	8.67	—	3.60	3.60	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	1.00	2.02	< 0.005	0.01	—	0.01	0.01	—	0.01	—	412	412	0.02	< 0.005	—	414
Dust From Material Movement	—	—	—	—	—	—	0.48	0.48	—	0.20	0.20	—	—	—	—	—	—	—
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	0.01	0.18	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.2	68.2	< 0.005	< 0.005	—	68.5
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	3.24	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	576	576	0.02	0.02	2.47	585
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
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	0.01	0.01	0.01	0.15	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.1	30.1	< 0.005	< 0.005	0.06	30.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	53.4	53.4	< 0.005	0.01	0.06	55.8
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	4.99	4.99	< 0.005	< 0.005	0.01	5.06
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	0.01	9.23
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 (2023) - 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	0.85	0.85	18.3	36.9	0.07	0.14	—	0.14	0.14	—	0.14	—	7,522	7,522	0.31	0.06	—	7,548

Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	1.00	2.02	< 0.005	0.01	—	0.01	0.01	—	0.01	—	412	412	0.02	< 0.005	—	414
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.2	68.2	< 0.005	< 0.005	—	68.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	3.24	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	576	576	0.02	0.02	2.47	585
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
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	0.01	0.01	0.01	0.15	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.1	30.1	< 0.005	< 0.005	0.06	30.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	53.4	53.4	< 0.005	0.01	0.06	55.8
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	4.99	4.99	< 0.005	< 0.005	0.01	5.06
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	0.01	9.23
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. Grading (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.08	1.21	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	216	216	0.01	0.01	0.93	219
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
Hauling	0.34	0.10	5.60	2.08	0.03	0.08	0.33	0.42	0.06	0.11	0.17	—	4,500	4,500	0.27	0.71	10.2	4,729
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.01	8.01	< 0.005	< 0.005	0.01	8.37

Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.0	37.0	< 0.005	0.01	0.04	38.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.39
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.12	6.12	< 0.005	< 0.005	0.01	6.43

3.8. Grading (2023) - 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.08	1.21	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	216	216	0.01	0.01	0.93	219
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
Hauling	0.34	0.10	5.60	2.08	0.03	0.08	0.33	0.42	0.06	0.11	0.17	—	4,500	4,500	0.27	0.71	10.2	4,729
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.01	8.01	< 0.005	< 0.005	0.01	8.37
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.0	37.0	< 0.005	0.01	0.04	38.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.39
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.12	6.12	< 0.005	< 0.005	0.01	6.43

3.9. Grading (2023) - 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	2.67	2.24	24.4	13.4	0.04	0.94	—	0.94	0.87	—	0.87	—	4,000	4,000	0.16	0.03	—	4,014
Dust From Material Movement	—	—	—	—	—	—	8.67	8.67	—	3.60	3.60	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	0.37	< 0.005	0.03	—	0.03	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	110
Dust From Material Movement	—	—	—	—	—	—	0.24	0.24	—	0.10	0.10	—	—	—	—	—	—	—
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	0.01	0.12	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
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	0.21	0.19	0.21	3.24	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	576	576	0.02	0.02	2.47	585
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
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	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.1	15.1	< 0.005	< 0.005	0.03	15.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.03	27.9
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	< 0.005	< 0.005	0.00	0.00	0.00	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.53
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.62
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. Grading (2023) - 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	2.67	2.24	24.4	13.4	0.04	0.94	—	0.94	0.87	—	0.87	—	4,000	4,000	0.16	0.03	—	4,014
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.40	1.40	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	0.37	< 0.005	0.03	—	0.03	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	110
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	3.24	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	576	576	0.02	0.02	2.47	585
Vendor	0.08	0.03	1.13	0.54	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	974	974	0.04	0.13	2.62	1,017
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	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.1	15.1	< 0.005	< 0.005	0.03	15.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.03	27.9
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	< 0.005	< 0.005	0.00	0.00	0.00	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.53
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.62
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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Asphalt Demolition	Demolition	6/12/2023	6/16/2023	5.00	5.00	—
Asphalt Demolition Debris Haul	Demolition	6/12/2023	6/28/2023	5.00	13.0	—
Rough Grading	Grading	6/16/2023	7/13/2023	5.00	20.0	—
Rough Grading Soil Haul	Grading	6/16/2023	6/20/2023	5.00	3.00	—
Fine Grading	Grading	7/7/2023	7/20/2023	5.00	10.0	—

Building Construction	Building Construction	12/22/2023	8/25/2025	5.00	437	—
Paving	Paving	12/22/2023	2/1/2024	5.00	30.0	—
Architectural Coating	Architectural Coating	4/24/2025	8/25/2025	5.00	88.0	—
Utility Trenching	Trenching	7/20/2023	12/22/2023	5.00	112	—
Finishing/Landscaping	Trenching	2/1/2024	8/25/2025	5.00	408	—

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
Asphalt Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition	Excavators	Diesel	Average	1.00	8.00	271	0.38
Asphalt Demolition	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Asphalt Demolition Debris Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Asphalt Demolition Debris Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	Diesel	Average	0.00	8.00	33.0	0.73
Rough Grading	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	175	0.40
Rough Grading Soil Haul	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading Soil Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38

Rough Grading Soil Haul	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading Soil Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Fine Grading	Graders	Diesel	Average	2.00	8.00	180	0.41
Fine Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Fine Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	215	0.40
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	185	0.42
Paving	Paving Equipment	Diesel	Average	0.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	284	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Asphalt Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Rough Grading	Scrapers	Diesel	Average	2.00	8.00	570	0.48
Rough Grading	Rollers	Diesel	Average	1.00	8.00	496	0.38
Fine Grading	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Utility Trenching	Excavators	Diesel	Average	1.00	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	98.0	0.37
Paving	Graders	Diesel	Average	1.00	8.00	180	0.41

Paving	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Finishing/Landscaping	Welders	Diesel	Average	0.00	1.00	0.00	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Asphalt Demolition	Excavators	Diesel	Tier 4 Interim	1.00	8.00	271	0.38
Rough Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	175	0.40
Rough Grading Soil Haul	Graders	Diesel	Average	0.00	8.00	148	0.41
Rough Grading Soil Haul	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Rough Grading Soil Haul	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Fine Grading	Graders	Diesel	Average	2.00	8.00	180	0.41
Fine Grading	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Fine Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	215	0.40
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	185	0.42
Paving	Paving Equipment	Diesel	Average	0.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	284	0.38

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Asphalt Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	225	0.37
Rough Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	570	0.48
Rough Grading	Rollers	Diesel	Tier 4 Interim	1.00	8.00	496	0.38
Fine Grading	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Utility Trenching	Excavators	Diesel	Average	1.00	8.00	271	0.38
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	225	0.37
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	98.0	0.37
Paving	Graders	Diesel	Average	1.00	8.00	180	0.41
Paving	Scrapers	Diesel	Average	1.00	8.00	407	0.48
Finishing/Landscaping	Welders	Diesel	Average	0.00	1.00	0.00	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Asphalt Demolition	—	—	—	—
Asphalt Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition	Vendor	50.0	10.2	HHDT,MHDT
Asphalt Demolition	Hauling	0.00	20.0	HHDT
Asphalt Demolition	Onsite truck	0.00	—	HHDT
Asphalt Demolition Debris Haul	—	—	—	—
Asphalt Demolition Debris Haul	Worker	2.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition Debris Haul	Vendor	66.0	10.2	HHDT,MHDT
Asphalt Demolition Debris Haul	Hauling	107	20.0	HHDT

Asphalt Demolition Debris Haul	Onsite truck	0.00	—	HHDT
Rough Grading	—	—	—	—
Rough Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading	Hauling	0.00	20.0	HHDT
Rough Grading	Onsite truck	0.00	—	HHDT
Rough Grading Soil Haul	—	—	—	—
Rough Grading Soil Haul	Worker	15.0	18.5	LDA,LDT1,LDT2
Rough Grading Soil Haul	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading Soil Haul	Hauling	63.0	20.0	HHDT
Rough Grading Soil Haul	Onsite truck	0.00	—	HHDT
Fine Grading	—	—	—	—
Fine Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Fine Grading	Vendor	30.0	10.2	HHDT,MHDT
Fine Grading	Hauling	0.00	20.0	HHDT
Fine Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	85.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	35.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	17.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Utility Trenching	—	—	—	—
Utility Trenching	Worker	65.0	18.5	LDA,LDT1,LDT2
Utility Trenching	Vendor	35.0	10.2	HHDT,MHDT
Utility Trenching	Hauling	0.00	20.0	HHDT
Utility Trenching	Onsite truck	0.00	—	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	8.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	12.0	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Asphalt Demolition	—	—	—	—
Asphalt Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition	Vendor	50.0	10.2	HHDT,MHDT
Asphalt Demolition	Hauling	0.00	20.0	HHDT
Asphalt Demolition	Onsite truck	0.00	—	HHDT
Asphalt Demolition Debris Haul	—	—	—	—
Asphalt Demolition Debris Haul	Worker	2.00	18.5	LDA,LDT1,LDT2
Asphalt Demolition Debris Haul	Vendor	66.0	10.2	HHDT,MHDT
Asphalt Demolition Debris Haul	Hauling	107	20.0	HHDT
Asphalt Demolition Debris Haul	Onsite truck	0.00	—	HHDT

Rough Grading	—	—	—	—
Rough Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading	Hauling	0.00	20.0	HHDT
Rough Grading	Onsite truck	0.00	—	HHDT
Rough Grading Soil Haul	—	—	—	—
Rough Grading Soil Haul	Worker	15.0	18.5	LDA,LDT1,LDT2
Rough Grading Soil Haul	Vendor	30.0	10.2	HHDT,MHDT
Rough Grading Soil Haul	Hauling	63.0	20.0	HHDT
Rough Grading Soil Haul	Onsite truck	0.00	—	HHDT
Fine Grading	—	—	—	—
Fine Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Fine Grading	Vendor	30.0	10.2	HHDT,MHDT
Fine Grading	Hauling	0.00	20.0	HHDT
Fine Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	85.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	50.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	35.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.0	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Utility Trenching	—	—	—	—
Utility Trenching	Worker	65.0	18.5	LDA,LDT1,LDT2
Utility Trenching	Vendor	35.0	10.2	HHDT,MHDT
Utility Trenching	Hauling	0.00	20.0	HHDT
Utility Trenching	Onsite truck	0.00	—	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	8.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	12.0	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	349,857	116,619	0.00	0.00	0.00

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)

Asphalt Demolition	0.00	0.00	0.00	0.00	—
Asphalt Demolition Debris Haul	0.00	0.00	0.00	67,460	—
Rough Grading	0.00	0.00	50.0	0.00	—
Rough Grading Soil Haul	1,330	0.00	0.00	0.00	—
Fine Grading	0.00	0.00	25.0	0.00	—
Paving	0.00	0.00	0.00	0.00	8.24

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.64	0%
Other Asphalt Surfaces	1.46	100%
Other Non-Asphalt Surfaces	3.23	0%
Other Non-Asphalt Surfaces	0.51	0%
Other Non-Asphalt Surfaces	2.39	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	450	0.03	< 0.005
2024	0.00	450	0.03	< 0.005
2025	0.00	450	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Based on 2021 SCE Sustainability Report
Land Use	based on data from applicant
Construction: Construction Phases	based on information from applicant
Construction: Off-Road Equipment	based on information from applicant, MM: Tier 4 Interim for demolition and rough grading construction equipment
Construction: Architectural Coatings	only residential area to be painted
Construction: Electricity	based on SCE Sustainability Report
Construction: Trips and VMT	based on information from applicant, MM: limit hauling of demolition material per day
Operations: Vehicle Data	based on information received from traffic consultant
Operations: Fleet Mix	see fleet mix adjustment in assumptions file
Operations: Hearths	no fireplaces based on information from applicant
Operations: Architectural Coatings	single family home coating only
Operations: Solid Waste	based on info from utilities section
Operations: Water and Waste Water	based on information from the utilities section
Characteristics: Project Details	1

LST Worksheets

Construction Localized Significance Thresholds: Asphalt Demolition and Demolition Debris

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	0.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	1	0.5
NOx	**103**	Tractors	0.5	0.0625			0
CO	**612**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	1	103	129	185	292	570
		103	129	185	292	570
CO	1	612	911	1741	4345	18991
	1	612	911	1741	4345	18991
		612	911	1741	4345	18991
PM10	1	4	11	26	57	148
	1	4	11	26	57	148
		4	11	26	57	148
PM2.5	1	3	4	7	18	75
	1	3	4	7	18	75
		3	4	7	18	75

Pomona/Walnut Valley

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	129	185	292	570
CO	612	911	1741	4345	18991
PM10	4	11	26	57	148
PM2.5	3	4	7	18	75

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Demolition and Demolition Debris, Rough Grading and Soil Haul

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	3.00	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	1	0.5
NOx	**178**	Tractors	0.5	0.0625			0
CO	**1,112**	Graders	0.5	0.0625			0
PM10	**8.00**	Dozers	0.5	0.0625	8	1	0.5
PM2.5	**5.00**	Scrapers	1	0.125	8	2	2
						Acres	3.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	178	205	263	362	626
	3	178	205	263	362	626
		178	205	263	362	626
CO	3	1112	1625	2762	5735	21321
	3	1112	1625	2762	5735	21321
		1112	1625	2762	5735	21321
PM10	3	8	24	39	70	162
	3	8	24	39	70	162
		8	24	39	70	162
PM2.5	3	5	7	12	23	84
	3	5	7	12	23	84
		5	7	12	23	84

Pomona/Walnut Valley

3.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	178	205	263	362	626
CO	1112	1625	2762	5735	21321
PM10	8	24	39	70	162
PM2.5	5	7	12	23	84

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	3	10	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Rough Grading and Soil Haul

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	2.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**163**	Tractors	0.5	0.0625			0
CO	**998**	Graders	0.5	0.0625			0
PM10	**7.00**	Dozers	0.5	0.0625	8	1	0.5
PM2.5	**4.50**	Scrapers	1	0.125	8	2	2
						Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	149	175	230	330	598
	3	178	205	263	362	626
		164	190	247	346	612
CO	2	885	1358	2298	5097	20256
	3	1112	1625	2762	5735	21321
		999	1491	2530	5416	20788
PM10	2	6	18	33	64	156
	3	8	24	39	70	162
		7	21	36	67	159
PM2.5	2	4	6	10	21	80
	3	5	7	12	23	84
		5	7	11	22	82

Pomona/Walnut Valley

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	164	190	247	346	612
CO	999	1491	2530	5416	20788
PM10	7	21	36	67	159
PM2.5	5	7	11	22	82

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	2	10	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Rough Grading

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	2.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**163**	Tractors	0.5	0.0625			0
CO	**998**	Graders	0.5	0.0625			0
PM10	**7.00**	Dozers	0.5	0.0625	8	1	0.5
PM2.5	**4.50**	Scrapers	1	0.125	8	2	2
						Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	149	175	230	330	598
	3	178	205	263	362	626
		164	190	247	346	612
CO	2	885	1358	2298	5097	20256
	3	1112	1625	2762	5735	21321
		999	1491	2530	5416	20788
PM10	2	6	18	33	64	156
	3	8	24	39	70	162
		7	21	36	67	159
PM2.5	2	4	6	10	21	80
	3	5	7	12	23	84
		5	7	11	22	82

Pomona/Walnut Valley

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	164	190	247	346	612
CO	999	1491	2530	5416	20788
PM10	7	21	36	67	159
PM2.5	5	7	11	22	82

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	2	10	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Rough Grading and Fine Grading

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	5.00	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**236**	Tractors	0.5	0.0625			0
CO	**1,566**	Graders	0.5	0.0625	8	2	1
PM10	**11.99**	Dozers	0.5	0.0625	8	2	1
PM2.5	**7.00**	Scrapers	1	0.125	8	3	3
						Acres	5.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	236	265	330	426	681
	5	236	265	330	426	681
		236	265	330	426	681
CO	5	1566	2158	3691	7011	23450
	5	1566	2158	3691	7011	23450
		1566	2158	3691	7011	23450
PM10	5	12	36	51	82	175
	5	12	36	51	82	175
		12	36	51	82	175
PM2.5	5	7	9	15	28	93
	5	7	9	15	28	93
		7	9	15	28	93

Pomona/Walnut Valley

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	236	265	330	426	681
CO	1566	2158	3691	7011	23450
PM10	12	36	51	82	175
PM2.5	7	9	15	28	93

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	5	10	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Rough Grading and Fine Grading

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	2.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**163**	Tractors	0.5	0.0625			0
CO	**998**	Graders	0.5	0.0625	8	2	1
PM10	**7.00**	Dozers	0.5	0.0625	8	1	0.5
PM2.5	**4.50**	Scrapers	1	0.125	8	1	1
						Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	149	175	230	330	598
	3	178	205	263	362	626
		164	190	247	346	612
CO	2	885	1358	2298	5097	20256
	3	1112	1625	2762	5735	21321
		999	1491	2530	5416	20788
PM10	2	6	18	33	64	156
	3	8	24	39	70	162
		7	21	36	67	159
PM2.5	2	4	6	10	21	80
	3	5	7	12	23	84
		5	7	11	22	82

Pomona/Walnut Valley

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	164	190	247	346	612
CO	999	1491	2530	5416	20788
PM10	7	21	36	67	159
PM2.5	5	7	11	22	82

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	2	10	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Fine Grading and Utility Trenching

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	3.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**192**	Tractors	0.5	0.0625			0
CO	**1,225**	Graders	0.5	0.0625	8	2	1
PM10	**9.00**	Dozers	0.5	0.0625	8	1	0.5
PM2.5	**5.50**	Scrapers	1	0.125	8	1	1
						Acres	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	178	205	263	362	626
	4	207	235	297	394	653
		193	220	280	378	640
CO	3	1112	1625	2762	5735	21321
	4	1339	1891	3227	6373	22385
		1226	1758	2995	6054	21853
PM10	3	8	24	39	70	162
	4	10	30	45	76	169
		9	27	42	73	166
PM2.5	3	5	7	12	23	84
	4	6	8	13	26	89
		6	8	13	25	87

Pomona/Walnut Valley

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	193	220	280	378	640
CO	1226	1758	2995	6054	21853
PM10	9	27	42	73	166
PM2.5	6	8	13	25	87

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	3	10	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Utility Trenching

		NOx & CO		PM10 & PM2.5		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	1.00	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**103**	Tractors	0.5	0.0625			0
CO	**612**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	1	103	129	185	292	570
		103	129	185	292	570
CO	1	612	911	1741	4345	18991
	1	612	911	1741	4345	18991
		612	911	1741	4345	18991
PM10	1	4	11	26	57	148
	1	4	11	26	57	148
		4	11	26	57	148
PM2.5	1	3	4	7	18	75
	1	3	4	7	18	75
		3	4	7	18	75

Pomona/Walnut Valley

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	129	185	292	570
CO	612	911	1741	4345	18991
PM10	4	11	26	57	148
PM2.5	3	4	7	18	75

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds:Utility Trenching, Building Construction, and Paving

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	2.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**163**	Tractors	0.5	0.0625			0
CO	**998**	Graders	0.5	0.0625	8	1	0.5
PM10	**7.00**	Dozers	0.5	0.0625			0
PM2.5	**4.50**	Scrapers	1	0.125	8	1	1
						Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	149	175	230	330	598
	3	178	205	263	362	626
		164	190	247	346	612
CO	2	885	1358	2298	5097	20256
	3	1112	1625	2762	5735	21321
		999	1491	2530	5416	20788
PM10	2	6	18	33	64	156
	3	8	24	39	70	162
		7	21	36	67	159
PM2.5	2	4	6	10	21	80
	3	5	7	12	23	84
		5	7	11	22	82

Pomona/Walnut Valley

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	164	190	247	346	612
CO	999	1491	2530	5416	20788
PM10	7	21	36	67	159
PM2.5	5	7	11	22	82

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	2	10	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction and Paving

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	1.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**126**	Tractors	0.5	0.0625			0
CO	**748**	Graders	0.5	0.0625	8	1	0.5
PM10	**5.00**	Dozers	0.5	0.0625			0
PM2.5	**3.50**	Scrapers	1	0.125	8	1	1
						Acres	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	2	149	175	230	330	598
		126	152	208	311	584
CO	1	612	911	1741	4345	18991
	2	885	1358	2298	5097	20256
		749	1135	2020	4721	19624
PM10	1	4	11	26	57	148
	2	6	18	33	64	156
		5	15	30	61	152
PM2.5	1	3	4	7	18	75
	2	4	6	10	21	80
		4	5	9	20	78

Pomona/Walnut Valley

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	152	208	311	584
CO	749	1135	2020	4721	19624
PM10	5	15	30	61	152
PM2.5	4	5	9	20	78

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction, Paving, and Finishing and Landscaping

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	1.50	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**126**	Tractors	0.5	0.0625			0
CO	**748**	Graders	0.5	0.0625	8	1	0.5
PM10	**5.00**	Dozers	0.5	0.0625			0
PM2.5	**3.50**	Scrapers	1	0.125	8	1	1
						Acres	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	2	149	175	230	330	598
		126	152	208	311	584
CO	1	612	911	1741	4345	18991
	2	885	1358	2298	5097	20256
		749	1135	2020	4721	19624
PM10	1	4	11	26	57	148
	2	6	18	33	64	156
		5	15	30	61	152
PM2.5	1	3	4	7	18	75
	2	4	6	10	21	80
		4	5	9	20	78

Pomona/Walnut Valley

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	152	208	311	584
CO	749	1135	2020	4721	19624
PM10	5	15	30	61	152
PM2.5	4	5	9	20	78

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction and Finishing and Landscaping

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	0.00	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625			0
CO	**612**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	1	103	129	185	292	570
		103	129	185	292	570
CO	1	612	911	1741	4345	18991
	1	612	911	1741	4345	18991
		612	911	1741	4345	18991
PM10	1	4	11	26	57	148
	1	4	11	26	57	148
		4	11	26	57	148
PM2.5	1	3	4	7	18	75
	1	3	4	7	18	75
		3	4	7	18	75

Pomona/Walnut Valley

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	129	185	292	570
CO	612	911	1741	4345	18991
PM10	4	11	26	57	148
PM2.5	3	4	7	18	75

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction, Finishing and Landscaping, and Architectural Coating

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
10	0.00	25	82	25	82	9.91

Source Receptor	**Pomona/Walnut Valley**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625			0
CO	**612**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	129	185	292	570
	1	103	129	185	292	570
		103	129	185	292	570
CO	1	612	911	1741	4345	18991
	1	612	911	1741	4345	18991
		612	911	1741	4345	18991
PM10	1	4	11	26	57	148
	1	4	11	26	57	148
		4	11	26	57	148
PM2.5	1	3	4	7	18	75
	1	3	4	7	18	75
		3	4	7	18	75

Pomona/Walnut Valley

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	129	185	292	570
CO	612	911	1741	4345	18991
PM10	4	11	26	57	148
PM2.5	3	4	7	18	75

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
10	1	10	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Energy Calculations

Operation-Related Vehicle Fuel/Energy Usage

PROJECT LAND USE COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Proposed Passenger Vehicles	4,460,509	178,061	163,615	15,331	6,812	1,262	237,657	86,217
Total	**4,460,509**	**178,061**	**163,615**	**15,331**	**6,812**	**1,262**	**237,657**	**86,217**

Land Use

Operational Land Use

Vehicle type	Fleet percent	VMT	
	Single Family Housing	Single Family Housing	Total
HHD	0.86%	41,669	41,669
LDA	50.55%	2,461,086	2,461,086
LDT1	4.39%	213,616	213,616
LDT2	23.20%	1,129,404	1,129,404
LHD1	2.61%	127,140	127,140
LHD2	0.65%	31,756	31,756
MCY	2.14%	103,979	103,979
MDV	14.03%	682,906	682,906
MH	0.29%	13,941	13,941
MHD	1.08%	52,699	52,699
OBUS	0.09%	4,210	4,210
SBUS	0.06%	3,137	3,137
UBUS	0.06%	3,041	3,041
	100.00%	4,868,584	4,868,584

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	91.56%	0.16%	0.00%	8.27%	
LDT1	99.40%	0.02%	0.00%	0.58%	
LDT2	98.27%	0.33%	0.00%	1.39%	
MDV	96.79%	1.13%	0.00%	2.08%	
LHD1	64.76%	33.95%	0.00%	1.29%	
LHD2	37.47%	61.26%	0.00%	1.28%	
MHD	23.07%	74.70%	1.30%	0.93%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.04%	94.08%	5.35%	0.53%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	42.37%	51.15%	6.23%	0.43%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	6.75%	0.21%	89.69%	3.36%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	47.04%	23.36%	28.97%	0.62%	
MH	71.62%	28.38%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mi/kWh	kWh
LDA	2,253,432	29.56	76,236	4,053	40.57	100	0	0.00	0	203,601	2.71	75,184
LDT1	212,343	24.68	8,604	40	23.04	2	0	0.00	0	1,233	2.77	445
LDT2	1,109,908	24.38	45,523	3,749	32.18	116	0	0.00	0	15,747	2.88	5,469
MDV	660,984	19.86	33,287	7,735	24.02	322	0	0.00	0	14,188	2.77	5,119
LHD1	82,342	13.84	5,950	43,164	20.57	2,099	0	0.00	0	1,634	1.79	0
LHD2	11,897	12.05	988	19,453	17.38	1,119	0	0.00	0	406	1.79	0
MHD	12,158	5.21	2,333	39,368	8.94	4,404	683	8.13	0	490	0.00	0
HHD	16	4.14	4	39,204	6.14	6,382	2,231	5.92	377	219	0.57	0
OBUS	1,784	5.08	351	2,154	7.42	290	262	8.73	0	18	0.00	0
UBUS	205	4.61	44	6	5.82	0	2,727	3.08	885	102	0.48	0
MCY	103,979	41.35	2,514	0	0.00	0	0	0.00	0	0	0.00	0
SBUS	1,476	9.00	164	733	7.33	100	909	4.21	0	19	0.86	0
MH	9,985	4.84	2,063	3,956	9.96	397	0	0.00	0	0	0.00	0
	4,460,509		**178,061**	**163,615**		**15,331**	**6,812**		**1,262**	**237,657**		**86,217**

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	82,728	8,978	9.21	19,541	2,271	8.61	0	0	0.00
LDA	135,140,035	4,761,455	28.38	279,606	7,064	39.58	0	0	0.00	8,943,527	3,286,871	2.72
LDT1	11,506,129	484,689	23.74	2,650	115	22.95	0	0	0.00	35,577	13,019	2.73
LDT2	63,471,961	2,747,424	23.10	203,904	6,640	30.71	0	0	0.00	564,075	193,216	2.92
LHD1	4,875,651	371,234	13.13	2,309,885	114,116	20.24	0	0	0.00	0	0	0.00
LHD2	707,424	61,525	11.50	1,017,094	59,769	17.02	0	0	0.00	0	0	0.00
MCY	942,493	23,017	40.95	0	0	0.00	0	0	0.00	0	0	0.00
MDV	35,435,034	1,881,595	18.83	417,109	18,090	23.06	0	0	0.00	435,516	156,136	2.79
MH	150,959	31,219	4.84	54,121	5,435	9.96	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	83,894	15,253	5.50	0	0	0.00	0	0	0.00
OBUS	153,202	30,680	4.99	0	0	0.00	0	0	0.00	0	0	0.00
PTO	0	0	0.00	105,926	21,634	4.90	0	0	0.00	49	101	0.48
SBUS	59,009	6,627	8.90	33,210	4,551	7.30	36,139	8,685	4.16	19	22	0.86
T6	818,409	160,636	5.09	2,482,453	279,926	8.87	40,273	4,978	8.09	586	613	0.96
T7	3,231	818	3.95	6,385,711	1,067,307	5.98	350,605	60,950	5.75	2,510	4,442	0.57
UBUS	31,153	6,805	4.58	1,269	217	5.85	417,623	137,130	3.05	2,416	5,071	0.48
Total	**253,294,692**	**10,567,724**	**23.97**	**13,459,561**	**1,609,097**	**8.36**	**864,182**	**214,013**	**4.04**	**9,984,275**	**3,659,491**	**2.73**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2023	All Other Buses	Aggregate	Aggregate	Diesel	1475.194739	82728.49796	82728.49796	0	13129.23318	8.978276931	0
Los Angeles (SC)	2023	All Other Buses	Aggregate	Aggregate	Natural Gas	319.8885181	19541.02621	19541.02621	0	2847.007811	2.270823151	0
Los Angeles (SC)	2023	LDA	Aggregate	Aggregate	Gasoline	3363325.814	133132108	133132108	0	15650234.76	4688.007701	0
Los Angeles (SC)	2023	LDA	Aggregate	Aggregate	Diesel	9465.936918	279606.0153	279606.0153	0	38923.81519	7.064261604	0
Los Angeles (SC)	2023	LDA	Aggregate	Aggregate	Electricity	149786.3595	6967760.765	0	6967760.765	750975.1138	0	2690130.736
Los Angeles (SC)	2023	LDA	Aggregate	Aggregate	Plug-in Hybrid	84855.73206	3983693.819	2007927.363	1975766.456	350878.4521	73.44775691	596740.3568
Los Angeles (SC)	2023	LDT1	Aggregate	Aggregate	Gasoline	316618.4734	11498860.94	11498860.94	0	1394223.797	484.4224711	0
Los Angeles (SC)	2023	LDT1	Aggregate	Aggregate	Diesel	130.6972397	2649.862279	2649.862279	0	380.5267117	0.115446626	0
Los Angeles (SC)	2023	LDT1	Aggregate	Aggregate	Electricity	737.9430578	27045.91094	0	27045.91094	3402.440206	0	10441.95384
Los Angeles (SC)	2023	LDT1	Aggregate	Aggregate	Plug-in Hybrid	305.3619056	15799.36792	7268.198583	8531.16934	1262.67148	0.266803592	2576.66741
Los Angeles (SC)	2023	LDT2	Aggregate	Aggregate	Gasoline	1534013.272	63204640.7	63204640.7	0	7216719.715	2737.584197	0
Los Angeles (SC)	2023	LDT2	Aggregate	Aggregate	Diesel	4672.025415	203904.1794	203904.1794	0	22591.39192	6.6400753	0
Los Angeles (SC)	2023	LDT2	Aggregate	Aggregate	Electricity	7316.504913	271839.3938	0	271839.3938	37572.13556	0	104952.4421
Los Angeles (SC)	2023	LDT2	Aggregate	Aggregate	Plug-in Hybrid	11176.08817	559555.6037	267320.0773	292235.5263	46213.1246	9.840078762	88263.83897
Los Angeles (SC)	2023	LHD1	Aggregate	Aggregate	Gasoline	123582.2629	4875651.462	4875651.462	0	1841191.58	371.233764	0
Los Angeles (SC)	2023	LHD1	Aggregate	Aggregate	Diesel	52370.85258	2309885.271	2309885.271	0	658759.4429	114.1155095	0
Los Angeles (SC)	2023	LHD2	Aggregate	Aggregate	Gasoline	18992.20879	707424.2091	707424.2091	0	282955.6126	61.52516871	0
Los Angeles (SC)	2023	LHD2	Aggregate	Aggregate	Diesel	23383.97043	1017094.138	1017094.138	0	294140.931	59.76930672	0
Los Angeles (SC)	2023	MCY	Aggregate	Aggregate	Gasoline	143314.4155	942493.4885	942493.4885	0	286628.8309	23.0171675	0
Los Angeles (SC)	2023	MDV	Aggregate	Aggregate	Gasoline	930000.0312	35296866.04	35296866.04	0	4305992.452	1876.436347	0
Los Angeles (SC)	2023	MDV	Aggregate	Aggregate	Diesel	10587.09868	417108.5847	417108.5847	0	50133.20648	18.09042921	0
Los Angeles (SC)	2023	MDV	Aggregate	Aggregate	Electricity	7870.579333	292645.8028	0	292645.8028	40427.05271	0	112985.4333
Los Angeles (SC)	2023	MDV	Aggregate	Aggregate	Plug-in Hybrid	6232.488765	281038.1518	138168.2151	142869.9367	25771.34105	5.15879783	43150.9791
Los Angeles (SC)	2023	MH	Aggregate	Aggregate	Gasoline	15543.05122	150959.242	150959.242	0	1554.926844	31.21883005	0
Los Angeles (SC)	2023	MH	Aggregate	Aggregate	Diesel	5175.528798	54121.46359	54121.46359	0	517.5528798	5.43523898	0
Los Angeles (SC)	2023	Motor Coach	Aggregate	Aggregate	Diesel	588.8354422	83893.72533	83893.72533	0	13531.43846	15.25330866	0
Los Angeles (SC)	2023	OBUS	Aggregate	Aggregate	Gasoline	3808.788003	153201.689	153201.689	0	76206.23037	30.6795829	0
Los Angeles (SC)	2023	PTO	Aggregate	Aggregate	Diesel	0	105925.7735	105925.7735	0	0	21.63440519	0
Los Angeles (SC)	2023	PTO	Aggregate	Aggregate	Electricity	0	48.8251688	0	48.8251688	0	0	101.1422535
Los Angeles (SC)	2023	SBUS	Aggregate	Aggregate	Gasoline	1333.830023	59008.65529	59008.65529	0	5335.320093	6.626552175	0
Los Angeles (SC)	2023	SBUS	Aggregate	Aggregate	Diesel	1641.865076	33210.41415	33210.41415	0	23774.2063	4.550703273	0
Los Angeles (SC)	2023	SBUS	Aggregate	Aggregate	Electricity	1.644084418	19.09632517	0	19.09632517	23.80634238	0	22.08110642
Los Angeles (SC)	2023	SBUS	Aggregate	Aggregate	Natural Gas	1447.068317	36139.19841	36139.19841	0	20953.54924	8.685035105	0
Los Angeles (SC)	2023	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	26.65154111	1790.703118	1790.703118	0	612.4524148	0.196586528	0
Los Angeles (SC)	2023	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.033161573	1.223583518	0	1.223583518	0.76205295	0	1.282388103
Los Angeles (SC)	2023	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	35.75830225	2456.776702	2456.776702	0	821.7257857	0.269374438	0
Los Angeles (SC)	2023	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.037301746	1.424502151	0	1.424502151	0.857194116	0	1.492962747
Los Angeles (SC)	2023	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	112.9342461	6415.644096	6415.644096	0	2595.228976	0.693277012	0
Los Angeles (SC)	2023	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.261949426	7.705978424	0	7.705978424	6.019597799	0	8.07632246
Los Angeles (SC)	2023	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	194.6886565	40229.91644	40229.91644	0	4473.945327	4.09381301	0
Los Angeles (SC)	2023	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.215824961	22.56156156	0	22.56156156	4.959657609	0	23.64585473
Los Angeles (SC)	2023	T6 CAIRP Class 7	Aggregate	Aggregate	Natural Gas	0.191111078	38.02037272	38.02037272	0	4.391732566	0.003937761	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	3774.976897	127730.108	127730.108	0	53868.92032	14.4699939	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	2.446208079	44.76302906	0	44.76302906	34.90738928	0	46.76886219
Los Angeles (SC)	2023	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	13.27297117	471.347353	471.347353	0	189.4052986	0.05990266	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	3826.469277	132608.0345	132608.0345	0	54603.71659	15.09669253	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	1.865894219	34.01962767	0	34.01962767	26.62631051	0	35.54404855
Los Angeles (SC)	2023	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	10.58451437	376.0415507	376.0415507	0	151.0410201	0.04734435	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	11772.40959	405510.7394	405510.7394	0	167992.2849	45.97419937	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	7.51666475	137.1273199	0	137.1273199	107.262806	0	143.2720006
Los Angeles (SC)	2023	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	35.36133975	1241.582046	1241.582046	0	504.6063182	0.156845307	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	2931.591762	161949.4146	161949.4146	0	41833.81444	17.9017285	0
Los Angeles (SC)	2023	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	0.93840441	20.21344545	0	20.21344545	13.39103093	0	21.11921075
Los Angeles (SC)	2023	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	86.03903782	4781.035313	4781.035313	0	1227.77707	0.584200298	0
Los Angeles (SC)	2023	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	4707.887806	194317.3213	194317.3213	0	54423.18304	22.03580312	0
Los Angeles (SC)	2023	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	0.739722177	15.39192516	0	15.39192516	8.551188369	0	16.0837245
Los Angeles (SC)	2023	T6 Instate Other Class 4	Aggregate	Aggregate	Natural Gas	14.4899031	638.637223	638.637223	0	167.5032799	0.080622677	0
Los Angeles (SC)	2023	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	10314.00608	453243.291	453243.291	0	119229.9103	51.54124645	0
Los Angeles (SC)	2023	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	5.565438602	115.8638402	0	115.8638402	64.33647024	0	121.0714102
Los Angeles (SC)	2023	T6 Instate Other Class 5	Aggregate	Aggregate	Natural Gas	27.16879291	1198.098792	1198.098792	0	314.071246	0.148126174	0
Los Angeles (SC)	2023	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	9328.84955	401790.5002	401790.5002	0	107841.5008	45.57773495	0
Los Angeles (SC)	2023	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	4.853467761	101.2613359	0	101.2613359	56.10608732	0	105.8125876
Los Angeles (SC)	2023	T6 Instate Other Class 6	Aggregate	Aggregate	Natural Gas	25.95511978	1135.452813	1135.452813	0	300.0411846	0.141422152	0
Los Angeles (SC)	2023	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	4117.528532	201239.8476	201239.8476	0	47598.62983	22.48097088	0
Los Angeles (SC)	2023	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	1.496559908	46.77540481	0	46.77540481	17.30023254	0	48.87775353
Los Angeles (SC)	2023	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	118.6563362	5956.448287	5956.448287	0	1371.667246	0.734481819	0
Los Angeles (SC)	2023	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	127.4290108	6703.456591	6703.456591	0	1473.079365	0.751691625	0
Los Angeles (SC)	2023	T6 Instate Tractor Class 6	Aggregate	Aggregate	Electricity	0.106383948	2.894903141	0	2.894903141	1.229798441	0	3.025016305
Los Angeles (SC)	2023	T6 Instate Tractor Class 6	Aggregate	Aggregate	Natural Gas	0.374526998	20.1422852	20.1422852	0	4.329532102	0.002443924	0
Los Angeles (SC)	2023	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	1580.36537	97335.93	97335.93	0	18269.02368	10.29375987	0
Los Angeles (SC)	2023	T6 Instate Tractor Class 7	Aggregate	Aggregate	Electricity	0.379991844	13.93398198	0	13.93398198	4.392705722	0	14.56025319
Los Angeles (SC)	2023	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	45.94560097	2880.768181	2880.768181	0	531.1311472	0.347952612	0
Los Angeles (SC)	2023	T6 OOS Class 4	Aggregate	Aggregate	Diesel	15.31650101	1020.05756	1020.05756	0	351.9731932	0.111946277	0
Los Angeles (SC)	2023	T6 OOS Class 5	Aggregate	Aggregate	Diesel	20.46322336	1399.335542	1399.335542	0	470.2448729	0.153391857	0
Los Angeles (SC)	2023	T6 OOS Class 6	Aggregate	Aggregate	Diesel	64.83612449	3656.503807	3656.503807	0	1489.934141	0.394861345	0
Los Angeles (SC)	2023	T6 OOS Class 7	Aggregate	Aggregate	Diesel	105.28737	26587.3295	26587.3295	0	2419.503763	2.690655852	0
Los Angeles (SC)	2023	T6 Public Class 4	Aggregate	Aggregate	Diesel	714.1898549	25127.74955	25127.74955	0	3663.793956	2.959703332	0
Los Angeles (SC)	2023	T6 Public Class 4	Aggregate	Aggregate	Electricity	0.013317837	0.241432377	0	0.241432377	0.068320503	0	0.252689464
Los Angeles (SC)	2023	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	67.37917516	2769.848435	2769.848435	0	345.6551686	0.351006565	0
Los Angeles (SC)	2023	T6 Public Class 5	Aggregate	Aggregate	Diesel	484.5433605	17013.89641	17013.89641	0	2485.70744	2.03538049	0
Los Angeles (SC)	2023	T6 Public Class 5	Aggregate	Aggregate	Electricity	0.017611541	0.319291732	0	0.319291732	0.090347204	0	0.334179108
Los Angeles (SC)	2023	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	62.16815122	2536.636205	2536.636205	0	318.9226158	0.321224291	0
Los Angeles (SC)	2023	T6 Public Class 6	Aggregate	Aggregate	Diesel	619.6155192	20835.20168	20835.20168	0	3178.627613	2.511273923	0
Los Angeles (SC)	2023	T6 Public Class 6	Aggregate	Aggregate	Electricity	0.197962805	3.593247893	0	3.593247893	1.01554919	0	3.760787566
Los Angeles (SC)	2023	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	59.50831005	2378.252735	2378.252735	0	305.2776306	0.305638862	0
Los Angeles (SC)	2023	T6 Public Class 7	Aggregate	Aggregate	Diesel	2664.995907	115788.2596	115788.2596	0	13671.429	13.62422605	0
Los Angeles (SC)	2023	T6 Public Class 7	Aggregate	Aggregate	Electricity	0.378782471	10.85441335	0	10.85441335	1.943154079	0	11.36051393
Los Angeles (SC)	2023	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	253.1373471	13549.87518	13549.87518	0	1298.594591	1.657089615	0
Los Angeles (SC)	2023	T6 Utility Class 5	Aggregate	Aggregate	Diesel	640.1812675	26023.60966	26023.60966	0	8194.320224	2.813014437	0
Los Angeles (SC)	2023	T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	3.880549317	155.7462229	155.7462229	0	49.67103125	0.018355797	0
Los Angeles (SC)	2023	T6 Utility Class 6	Aggregate	Aggregate	Diesel	121.1336603	4889.490714	4889.490714	0	1550.510851	0.52626879	0

Los Angeles (SC)	2023 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	1.46334689	57.87760757	57.87760757	0	18.7308402	0.00679256	0
Los Angeles (SC)	2023 T6 Utility Class 7	Aggregate	Aggregate	Diesel	138.1520634	6789.727125	6789.727125	0	1768.346412	0.728764721	0
Los Angeles (SC)	2023 T6 Utility Class 7	Aggregate	Aggregate	Electricity	0.217899452	6.218835044	0	6.218835044	2.789112986	0	6.508795997
Los Angeles (SC)	2023 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	1.966822801	87.48677629	87.48677629	0	25.17533185	0.010141222	0
Los Angeles (SC)	2023 T6TS	Aggregate	Aggregate	Gasoline	15094.86549	818409.0416	818409.0416	0	302018.0688	160.6355235	0
Los Angeles (SC)	2023 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6435.828117	1323608.7	1323608.7	0	147895.3301	216.3914574	0
Los Angeles (SC)	2023 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	14.53463948	1531.582599	0	1531.582599	334.0060152	0	2712.073822
Los Angeles (SC)	2023 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	27.63052145	5633.680626	5633.680626	0	634.949383	1.03243525	0
Los Angeles (SC)	2023 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	5773.529562	1572770.608	1572770.608	0	132675.7093	254.4510404	0
Los Angeles (SC)	2023 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2417.432288	571074.6236	571074.6236	0	55552.59399	93.53136811	0
Los Angeles (SC)	2023 T7 POAK Class 8	Aggregate	Aggregate	Diesel	1.163143668	108.5424559	108.5424559	0	19.0290304	0.019311768	0
Los Angeles (SC)	2023 T7 POLA Class 8	Aggregate	Aggregate	Diesel	8313.558238	1084548.738	1084548.738	0	136009.8128	181.1303929	0
Los Angeles (SC)	2023 T7 POLA Class 8	Aggregate	Aggregate	Electricity	3.127934898	170.7967038	0	170.7967038	51.17301494	0	302.0216528
Los Angeles (SC)	2023 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	104.2847166	13464.97476	13464.97476	0	1706.097964	2.441309708	0
Los Angeles (SC)	2023 T7 Public Class 8	Aggregate	Aggregate	Diesel	3741.056562	149663.9061	149663.9061	0	19191.62016	26.30419602	0
Los Angeles (SC)	2023 T7 Public Class 8	Aggregate	Aggregate	Electricity	1.668389431	47.86777059	0	47.86777059	8.558837782	0	84.637816
Los Angeles (SC)	2023 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	1171.95601	58685.39317	58685.39317	0	6012.134329	10.09490464	0
Los Angeles (SC)	2023 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Diesel	704.453817	48752.06151	48752.06151	0	6635.954956	8.120377548	0
Los Angeles (SC)	2023 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Electricity	1.001087833	38.08470649	0	38.08470649	9.430247389	0	67.21755441
Los Angeles (SC)	2023 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Natural Gas	65.8062684	4808.107512	4808.107512	0	619.8950483	0.847905659	0
Los Angeles (SC)	2023 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1911.450598	113250.6944	113250.6944	0	18005.86463	18.94944797	0
Los Angeles (SC)	2023 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	0.247062018	9.340586715	0	9.340586715	2.327324209	0	16.48565667
Los Angeles (SC)	2023 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	122.3673668	7866.104109	7866.104109	0	1152.700595	1.456328892	0
Los Angeles (SC)	2023 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	5784.088097	333857.5575	333857.5575	0	54486.10988	55.53194181	0
Los Angeles (SC)	2023 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	6.077680923	198.4680162	0	198.4680162	57.2517543	0	350.2858734
Los Angeles (SC)	2023 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	407.8227126	24928.84292	24928.84292	0	3841.689952	4.443684618	0
Los Angeles (SC)	2023 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	1297.387966	84243.13249	84243.13249	0	5967.984645	32.37980749	0
Los Angeles (SC)	2023 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	1.953624666	52.85602879	0	52.85602879	8.986673466	0	93.16567108
Los Angeles (SC)	2023 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	3075.004889	198827.1073	198827.1073	0	14145.02249	33.98816564	0
Los Angeles (SC)	2023 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	13527.62233	1083164.637	1083164.637	0	196556.3525	177.142381	0
Los Angeles (SC)	2023 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	10.90088667	457.1278569	0	457.1278569	158.3898834	0	809.5023946
Los Angeles (SC)	2023 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	440.9972137	36390.67059	36390.67059	0	6407.689516	6.644899225	0
Los Angeles (SC)	2023 T7 Utility Class 8	Aggregate	Aggregate	Diesel	449.6908764	20667.97054	20667.97054	0	5756.043217	3.355504004	0
Los Angeles (SC)	2023 T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.125388186	3.572630519	0	3.572630519	1.604968777	0	6.316977807
Los Angeles (SC)	2023 T7IS	Aggregate	Aggregate	Gasoline	52.44057302	3231.284725	3231.284725	0	1049.230985	0.817685124	0
Los Angeles (SC)	2023 UBUS	Aggregate	Aggregate	Gasoline	438.7257597	31153.4128	31153.4128	0	1754.903039	6.805144169	0
Los Angeles (SC)	2023 UBUS	Aggregate	Aggregate	Diesel	9.742965344	1269.074735	1269.074735	0	38.97186138	0.216797099	0
Los Angeles (SC)	2023 UBUS	Aggregate	Aggregate	Electricity	53.5307883	2415.769471	0	2415.769471	214.1231532	0	5070.782408
Los Angeles (SC)	2023 UBUS	Aggregate	Aggregate	Natural Gas	3880.598718	417623.3217	417623.3217	0	15522.39487	137.1303086	0

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	82,649	8,956	9.23	19,780	2,296	8.61	0	0	0.00
LDA	132,943,874	4,589,085	28.97	256,968	6,411	40.08	0	0	0.00	10,370,306	3,821,062	2.71
LDT1	11,368,732	469,530	24.21	2,369	103	23.02	0	0	0.00	48,357	17,544	2.76
LDT2	65,010,643	2,737,115	23.75	214,829	6,831	31.45	0	0	0.00	747,230	258,069	2.90
LHD1	4,934,814	365,123	13.52	2,469,363	120,836	20.44	0	0	0.00	38,630	21,582	1.79
LHD2	709,989	60,210	11.79	1,093,296	63,450	17.23	0	0	0.00	9,473	5,297	1.79
MCY	969,261	23,520	41.21	0	0	0.00	0	0	0.00	0	0	0.00
MDV	36,066,679	1,863,891	19.35	423,747	18,006	23.53	0	0	0.00	608,305	219,037	2.78
MH	149,210	30,842	4.84	56,471	5,669	9.96	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	84,180	15,237	5.52	0	0	0.00	0	0	0.00
OBUS	145,453	28,904	5.03	0	0	0.00	0	0	0.00	590	621	0.95
PTO	0	0	0.00	106,989	21,590	4.96	0	0	0.00	576	1,194	0.48
SBUS	60,689	6,780	8.95	32,041	4,380	7.32	37,157	8,875	4.19	360	417	0.86
T6	800,329	155,286	5.15	2,506,988	281,725	8.90	42,058	5,177	8.12	11,119	11,626	0.96
T7	2,951	729	4.05	6,498,334	1,072,592	6.06	363,945	62,220	5.85	15,932	28,189	0.57
UBUS	30,984	6,754	4.59	1,242	213	5.82	412,994	134,625	3.07	8,157	17,142	0.48
Total	**253,193,608**	**10,337,769**	**24.49**	**13,829,466**	**1,626,001**	**8.51**	**875,934**	**213,194**	**4.11**	**11,859,036**	**4,401,780**	**2.69**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2024	All Other Buses	Aggregate	Aggregate	Diesel	1494.008885	82649.42606	82649.42606	0	13296.67908	8.956185539	0
Los Angeles (SC)	2024	All Other Buses	Aggregate	Aggregate	Natural Gas	328.2793362	19780.16427	19780.16427	0	2921.686092	2.296077049	0
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Gasoline	3312060.357	130838318.3	130838318.3	0	15395682	4512.231245	0
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Diesel	8789.19002	256968.192	256968.192	0	36035.14021	6.410626351	0
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Electricity	171677.6521	8196290.291	0	8196290.291	857942.877	0	3164444.529
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Plug-in Hybrid	91933.06913	4279571.308	2105555.618	2174015.69	380143.2408	76.85384871	656617.5343
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Gasoline	311828.9204	11357946.66	11357946.66	0	1373845.457	469.1348945	0
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Diesel	118.5293676	2368.568506	2368.568506	0	338.8223403	0.102906474	0
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Electricity	868.5158405	34958.66479	0	34958.66479	4075.933908	0	13496.9299
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Plug-in Hybrid	472.0350753	24183.9963	10785.2145	13398.78179	1951.865036	0.39509337	4046.83145
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Gasoline	1566130.15	64695889.13	64695889.13	0	7373137.581	2725.55071	0
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Diesel	4948.489318	214828.9903	214828.9903	0	23893.23295	6.830852294	0
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Electricity	10499.25109	385269.4446	0	385269.4446	53700.22067	0	148745.8036
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Plug-in Hybrid	13716.62465	676714.4758	314753.7387	361960.7371	56718.24293	11.56440192	109322.9308
Los Angeles (SC)	2024	LHD1	Aggregate	Aggregate	Gasoline	123836.5988	4934814.469	4934814.469	0	1844980.806	365.1227387	0
Los Angeles (SC)	2024	LHD1	Aggregate	Aggregate	Diesel	55652.48261	2469363.403	2469363.403	0	700038.2204	120.8363633	0
Los Angeles (SC)	2024	LHD1	Aggregate	Aggregate	Electricity	510.884395	38629.84069	0	38629.84069	7136.731466	0	21582.07468
Los Angeles (SC)	2024	LHD2	Aggregate	Aggregate	Gasoline	18962.98073	709989.1461	709989.1461	0	282520.1581	60.2102533	0
Los Angeles (SC)	2024	LHD2	Aggregate	Aggregate	Diesel	25083.1257	1093295.739	1093295.739	0	315514.1668	63.45047175	0
Los Angeles (SC)	2024	LHD2	Aggregate	Aggregate	Electricity	132.2328573	9473.403689	0	9473.403689	1750.362491	0	5296.526189
Los Angeles (SC)	2024	MCY	Aggregate	Aggregate	Gasoline	146992.0035	969260.7434	969260.7434	0	293984.007	23.52047988	0
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Gasoline	941104.6897	35897503.31	35897503.31	0	4364748.435	1857.587206	0
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Diesel	10836.3418	423746.7965	423746.7965	0	51125.4825	18.00577922	0
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Electricity	11444.7591	420107.4512	0	420107.4512	58543.45266	0	162196.1495
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Plug-in Hybrid	7947.75957	357372.4851	169175.235	188197.2501	32863.98582	6.303941889	56841.1787
Los Angeles (SC)	2024	MH	Aggregate	Aggregate	Gasoline	15037.72111	149209.683	149209.683	0	1504.37362	30.84240042	0
Los Angeles (SC)	2024	MH	Aggregate	Aggregate	Diesel	5352.033135	56471.37694	56471.37694	0	535.2033135	5.669099008	0
Los Angeles (SC)	2024	Motor Coach	Aggregate	Aggregate	Diesel	603.3495249	84180.00934	84180.00934	0	13864.97208	15.23749735	0
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Gasoline	3692.490323	145452.6476	145452.6476	0	73879.34639	28.9039628	0
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Electricity	7.843994974	589.8873145	0	589.8873145	156.9426514	0	621.303287
Los Angeles (SC)	2024	PTO	Aggregate	Aggregate	Diesel	0	106989.0306	106989.0306	0	0	21.59008713	0
Los Angeles (SC)	2024	PTO	Aggregate	Aggregate	Electricity	0	576.443065	0	576.443065	0	0	1194.112628
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Gasoline	1372.011029	60689.4237	60689.4237	0	5488.044118	6.779512867	0
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Diesel	1597.022329	32040.99119	32040.99119	0	23124.88332	4.380138125	0
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Electricity	11.68207238	360.2140355	0	360.2140355	124.0753948	0	416.5159728
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Natural Gas	1503.388379	37156.55788	37156.55788	0	21769.06373	8.874951572	0
Los Angeles (SC)	2024	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	27.17226079	1806.665752	1806.665752	0	624.4185529	0.196602322	0
Los Angeles (SC)	2024	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.14366431	10.66674379	0	10.66674379	3.301405847	0	11.17907044
Los Angeles (SC)	2024	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	36.24086235	2480.270902	2480.270902	0	832.8150168	0.269893474	0
Los Angeles (SC)	2024	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.164433645	12.78248183	0	12.78248183	3.778685158	0	13.39642797
Los Angeles (SC)	2024	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	118.6421665	6460.456664	6460.456664	0	2726.396987	0.691881846	0
Los Angeles (SC)	2024	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.971819898	53.96315568	0	53.96315568	22.33242125	0	56.55502096
Los Angeles (SC)	2024	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	199.7356512	40672.95697	40672.95697	0	4589.925265	4.083630133	0
Los Angeles (SC)	2024	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.788858739	152.2856559	0	152.2856559	18.12797382	0	159.599978
Los Angeles (SC)	2024	T6 CAIRP Class 7	Aggregate	Aggregate	Natural Gas	0.186585888	36.4912283	36.4912283	0	4.287743695	0.003753188	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	3823.548745	129079.2126	129079.2126	0	54562.04058	14.5624673	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	11.86618666	469.3094954	0	469.3094954	169.3304836	0	490.4297642
Los Angeles (SC)	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	14.47125029	515.9610033	515.9610033	0	206.5047417	0.06493567	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	3906.603095	134105.4367	134105.4367	0	55747.22616	15.22379017	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	9.655650828	384.1387139	0	384.1387139	137.7861373	0	401.4260541
Los Angeles (SC)	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	11.59810106	414.4402587	414.4402587	0	165.5049021	0.051700934	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	11998.31093	410119.7749	410119.7749	0	171215.8969	46.36584484	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	30.28997256	1178.769633	0	1178.769633	432.2379084	0	1231.817636
Los Angeles (SC)	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	38.43981767	1359.750409	1359.750409	0	548.5361982	0.170153704	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	2969.381492	164153.969	164153.969	0	42373.07389	18.11207959	0
Los Angeles (SC)	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	3.090434242	140.8306313	0	140.8306313	44.10049663	0	147.1684123
Los Angeles (SC)	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	86.69229162	4820.041331	4820.041331	0	1237.099001	0.586946859	0
Los Angeles (SC)	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	4737.15593	196364.0365	196364.0365	0	54761.52255	22.20928164	0
Los Angeles (SC)	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	15.03071345	681.4989654	0	681.4989654	173.7550475	0	712.1849351
Los Angeles (SC)	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Natural Gas	15.70063526	690.1032989	690.1032989	0	181.4993436	0.086335349	0
Los Angeles (SC)	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	10508.598	458726.8144	458726.8144	0	121479.3929	52.0512745	0
Los Angeles (SC)	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	21.16877244	964.9717568	0	964.9717568	244.7110094	0	1008.421704
Los Angeles (SC)	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Natural Gas	29.55126724	1310.143954	1310.143954	0	341.6126492	0.160452624	0
Los Angeles (SC)	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	9468.319409	406400.1622	406400.1622	0	109453.7724	45.98958344	0
Los Angeles (SC)	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	24.56502333	1102.94899	0	1102.94899	283.9716697	0	1152.611662
Los Angeles (SC)	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Natural Gas	28.24772153	1238.190812	1238.190812	0	326.5436609	0.152712296	0
Los Angeles (SC)	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	4263.446881	203757.7044	203757.7044	0	49285.44594	22.69550114	0
Los Angeles (SC)	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	6.757438002	458.4795139	0	458.4795139	78.1159833	0	479.1235488
Los Angeles (SC)	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	122.1571902	5965.163094	5965.163094	0	1412.137118	0.734288865	0
Los Angeles (SC)	2024	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	130.1587613	6800.047385	6800.047385	0	1504.63528	0.76135199	0
Los Angeles (SC)	2024	T6 Instate Tractor Class 6	Aggregate	Aggregate	Natural Gas	0.395515278	21.81408611	21.81408611	0	4.572156616	0.002620685	0
Los Angeles (SC)	2024	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	1624.224944	98741.51982	98741.51982	0	18776.04036	10.42440467	0
Los Angeles (SC)	2024	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	47.15419543	2910.174252	2910.174252	0	545.1024991	0.350878043	0
Los Angeles (SC)	2024	T6 OOS Class 4	Aggregate	Aggregate	Diesel	15.68765025	1034.519855	1034.519855	0	360.5022028	0.112062077	0
Los Angeles (SC)	2024	T6 OOS Class 5	Aggregate	Aggregate	Diesel	20.82655092	1419.17521	1419.17521	0	478.5941402	0.153800248	0
Los Angeles (SC)	2024	T6 OOS Class 6	Aggregate	Aggregate	Diesel	68.50752351	3708.345426	3708.345426	0	1574.30289	0.394581028	0
Los Angeles (SC)	2024	T6 OOS Class 7	Aggregate	Aggregate	Diesel	107.3773345	26964.28253	26964.28253	0	2467.531147	2.687541281	0
Los Angeles (SC)	2024	T6 Public Class 4	Aggregate	Aggregate	Diesel	707.7905592	24863.65881	24863.65881	0	3630.965569	2.912994849	0
Los Angeles (SC)	2024	T6 Public Class 4	Aggregate	Aggregate	Electricity	3.00074753	130.1430649	0	130.1430649	15.39383483	0	136.2060484
Los Angeles (SC)	2024	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	72.31635522	2947.701574	2947.701574	0	370.9829023	0.372004549	0
Los Angeles (SC)	2024	T6 Public Class 5	Aggregate	Aggregate	Diesel	479.8154378	16864.27346	16864.27346	0	2461.453196	2.005515754	0
Los Angeles (SC)	2024	T6 Public Class 5	Aggregate	Aggregate	Electricity	1.945595884	84.11644588	0	84.11644588	9.980906884	0	88.03518427
Los Angeles (SC)	2024	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	65.19775454	2633.061825	2633.061825	0	334.4644808	0.332434029	0
Los Angeles (SC)	2024	T6 Public Class 6	Aggregate	Aggregate	Diesel	603.2814585	20585.92133	20585.92133	0	3094.833882	2.456360696	0
Los Angeles (SC)	2024	T6 Public Class 6	Aggregate	Aggregate	Electricity	2.996643868	124.664608	0	124.664608	15.37278304	0	130.4723662
Los Angeles (SC)	2024	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	63.9380019	2542.799654	2542.799654	0	328.0019498	0.324742855	0
Los Angeles (SC)	2024	T6 Public Class 7	Aggregate	Aggregate	Diesel	2605.36119	114399.8598	114399.8598	0	13365.5029	13.33362245	0
Los Angeles (SC)	2024	T6 Public Class 7	Aggregate	Aggregate	Electricity	11.66757632	784.2530927	0	784.2530927	59.85466651	0	820.789143
Los Angeles (SC)	2024	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	274.2646982	14367.32564	14367.32564	0	1406.977902	1.750101835	0
Los Angeles (SC)	2024	T6 Utility Class 5	Aggregate	Aggregate	Diesel	637.5727712	25863.02933	25863.02933	0	8160.931471	2.787716287	0
Los Angeles (SC)	2024	T6 Utility Class 5	Aggregate	Aggregate	Electricity	4.706192016	204.7437141	0	204.7437141	60.23925781	0	214.282123

Los Angeles (SC)	2024 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	3.812405376	152.5572014	152.5572014	0	48.79878882	0.017843805	0
Los Angeles (SC)	2024 T6 Utility Class 6	Aggregate	Aggregate	Diesel	120.4562492	4863.511672	4863.511672	0	1541.83999	0.522034724	0
Los Angeles (SC)	2024 T6 Utility Class 6	Aggregate	Aggregate	Electricity	0.877535413	38.17733301	0	38.17733301	11.23245329	0	39.95590293
Los Angeles (SC)	2024 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	1.360896921	53.42264259	53.42264259	0	17.41948058	0.006242733	0
Los Angeles (SC)	2024 T6 Utility Class 7	Aggregate	Aggregate	Diesel	137.2275666	6752.280494	6752.280494	0	1756.512852	0.721495557	0
Los Angeles (SC)	2024 T6 Utility Class 7	Aggregate	Aggregate	Electricity	1.055551115	62.57986954	0	62.57986954	13.51105427	0	65.49528203
Los Angeles (SC)	2024 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	1.808156067	79.34591158	79.34591158	0	23.14439765	0.009160351	0
Los Angeles (SC)	2024 T6TS	Aggregate	Aggregate	Gasoline	14716.96009	800329.4685	800329.4685	0	294456.9375	155.2858895	0
Los Angeles (SC)	2024 T6TS	Aggregate	Aggregate	Electricity	42.32173447	4079.442343	0	4079.442343	846.7732634	0	4267.022151
Los Angeles (SC)	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6580.463748	1342332.453	1342332.453	0	151219.0569	216.5728009	0
Los Angeles (SC)	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	41.59925316	7459.668707	0	7459.668707	955.9508377	0	13210.33359
Los Angeles (SC)	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	27.6842827	5589.242041	5589.242041	0	636.1848165	1.01497233	0
Los Angeles (SC)	2024 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	5898.963819	1601852.779	1601852.779	0	135558.1886	253.6436853	0
Los Angeles (SC)	2024 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2485.578993	581634.3901	581634.3901	0	57118.60525	93.70635186	0
Los Angeles (SC)	2024 T7 POAK Class 8	Aggregate	Aggregate	Diesel	1.384121207	111.3397036	111.3397036	0	22.64422295	0.019962424	0
Los Angeles (SC)	2024 T7 POLA Class 8	Aggregate	Aggregate	Diesel	9003.717176	1129666.259	1129666.259	0	147300.813	189.117602	0
Los Angeles (SC)	2024 T7 POLA Class 8	Aggregate	Aggregate	Electricity	10.61404255	1016.703127	0	1016.703127	173.6457361	0	1798.007397
Los Angeles (SC)	2024 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	105.471054	13098.16854	13098.16854	0	1725.506444	2.343829284	0
Los Angeles (SC)	2024 T7 Public Class 8	Aggregate	Aggregate	Diesel	3639.507197	145760.2644	145760.2644	0	18670.67192	25.47060707	0
Los Angeles (SC)	2024 T7 Public Class 8	Aggregate	Aggregate	Electricity	14.83006925	936.888865	0	936.888865	76.07825527	0	1656.835553
Los Angeles (SC)	2024 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	1260.216561	62026.18458	62026.18458	0	6464.910959	10.55850981	0
Los Angeles (SC)	2024 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Diesel	711.8530193	48780.43873	48780.43873	0	6705.655442	8.041141344	0
Los Angeles (SC)	2024 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Electricity	6.431998958	492.544665	0	492.544665	60.58943019	0	869.5017123
Los Angeles (SC)	2024 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Natural Gas	66.42509878	4746.744525	4746.744525	0	625.7244305	0.826787223	0
Los Angeles (SC)	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1959.335662	113611.78	113611.78	0	18456.94193	18.98631556	0
Los Angeles (SC)	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	5.128758113	402.7887311	0	402.7887311	48.31290142	0	711.0532633
Los Angeles (SC)	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	128.3544313	8064.055468	8064.055468	0	1209.098743	1.480455538	0
Los Angeles (SC)	2024 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	6073.331897	337994.4051	337994.4051	0	57210.78647	55.97860018	0
Los Angeles (SC)	2024 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	30.38321942	2007.749101	0	2007.749101	286.2099269	0	3544.330911
Los Angeles (SC)	2024 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	436.3065354	25620.71958	25620.71958	0	4110.007563	4.529541981	0
Los Angeles (SC)	2024 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	1155.533753	75005.43134	75005.43134	0	5315.455262	28.72687783	0
Los Angeles (SC)	2024 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	10.72528293	625.5822708	0	625.5822708	49.33630146	0	1103.034459
Los Angeles (SC)	2024 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	3213.374932	207935.2096	207935.2096	0	14781.52469	34.74770236	0
Los Angeles (SC)	2024 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	14354.45711	1100935.197	1100935.197	0	208570.2618	178.9848869	0
Los Angeles (SC)	2024 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	38.70360986	2922.919973	0	2922.919973	562.3634513	0	5176.318651
Los Angeles (SC)	2024 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	469.170925	36864.51811	36864.51811	0	6817.05354	6.718077057	0
Los Angeles (SC)	2024 T7 Utility Class 8	Aggregate	Aggregate	Diesel	459.7397329	20648.82944	20648.82944	0	5884.668581	3.343358698	0
Los Angeles (SC)	2024 T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.87168106	55.06760327	0	55.06760327	11.15751756	0	97.38397616
Los Angeles (SC)	2024 T7IS	Aggregate	Aggregate	Gasoline	43.66381395	2950.780026	2950.780026	0	873.6255896	0.728709358	0
Los Angeles (SC)	2024 T7IS	Aggregate	Aggregate	Electricity	0.039751842	12.44159821	0	12.44159821	0.795354861	0	21.93280091
Los Angeles (SC)	2024 UBUS	Aggregate	Aggregate	Gasoline	437.5652487	30984.43511	30984.43511	0	1750.260995	6.753553835	0
Los Angeles (SC)	2024 UBUS	Aggregate	Aggregate	Diesel	9.459880331	1241.732151	1241.732151	0	37.83952132	0.213406841	0
Los Angeles (SC)	2024 UBUS	Aggregate	Aggregate	Electricity	97.83776932	8157.187193	0	8157.187193	391.3510773	0	17142.31098
Los Angeles (SC)	2024 UBUS	Aggregate	Aggregate	Natural Gas	3846.599176	412993.5131	412993.5131	0	15386.3967	134.6254729	0

EMFAC Fuel Usage: Year 2025

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	82,326	8,840	9.31	20,322	2,327	8.73	0	0	0.00
LDA	130,241,625	4,406,192	29.56	234,266	5,775	40.57	0	0	0.00	11,767,513	4,345,432	2.71
LDT1	11,188,982	453,356	24.68	2,102	91	23.04	0	0	0.00	64,963	23,450	2.77
LDT2	66,204,248	2,715,364	24.38	223,595	6,949	32.18	0	0	0.00	939,300	326,217	2.88
LHD1	4,952,850	357,899	13.84	2,596,324	126,231	20.57	0	0	0.00	98,271	54,903	1.79
LHD2	706,863	58,684	12.05	1,155,747	66,480	17.38	0	0	0.00	24,102	13,475	1.79
MCY	988,231	23,898	41.35	0	0	0.00	0	0	0.00	0	0	0.00
MDV	36,501,264	1,838,192	19.86	427,142	17,782	24.02	0	0	0.00	783,488	282,670	2.77
MH	147,454	30,470	4.84	58,426	5,868	9.96	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	84,602	15,154	5.58	0	0	0.00	0	0	0.00
OBUS	137,681	27,096	5.08	0	0	0.00	0	0	0.00	1,412	1,488	0.95
PTO	0	0	0.00	107,716	21,454	5.02	0	0	0.00	1,401	2,903	0.48
SBUS	61,982	6,891	9.00	30,783	4,197	7.33	38,177	9,065	4.21	817	945	0.86
T6	779,405	149,536	5.21	2,523,668	282,307	8.94	43,777	5,381	8.13	31,387	32,816	0.96
T7	2,730	659	4.14	6,606,902	1,075,507	6.14	376,036	63,561	5.92	36,709	64,944	0.57
UBUS	30,652	6,644	4.61	939	161	5.82	407,437	132,203	3.08	15,266	32,088	0.48
Total	**251,943,967**	**10,074,881**	**25.01**	**14,134,538**	**1,636,796**	**8.64**	**885,750**	**212,537**	**4.17**	**13,764,631**	**5,181,330**	**2.66**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	All Other Buses	Aggregate	Aggregate	Diesel	1521.711878	82325.99249	82325.99249	0	13543.23571	8.839603333	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	Aggregate	Natural Gas	344.2470166	20322.42992	20322.42992	0	3063.798448	2.327160685	0
Los Angeles (SC)	2025	LDA	Aggregate	Aggregate	Gasoline	3261717.882	128067964.6	128067964.6	0	15146578.41	4326.798843	0
Los Angeles (SC)	2025	LDA	Aggregate	Aggregate	Diesel	8115.47098	234266.2649	234266.2649	0	33198.01165	5.77506153	0
Los Angeles (SC)	2025	LDA	Aggregate	Aggregate	Electricity	193284.3415	9414235.572	0	9414235.572	962630.9064	0	3634671.93
Los Angeles (SC)	2025	LDA	Aggregate	Aggregate	Plug-in Hybrid	98452.19235	4526938.566	2173660.688	2353277.878	407099.8154	79.39330032	710760.0582
Los Angeles (SC)	2025	LDT1	Aggregate	Aggregate	Gasoline	307303.6162	11174163.84	11174163.84	0	1354474.758	452.812407	0
Los Angeles (SC)	2025	LDT1	Aggregate	Aggregate	Diesel	107.1360043	2101.61697	2101.61697	0	300.6545051	0.09123334	0
Los Angeles (SC)	2025	LDT1	Aggregate	Aggregate	Electricity	1046.875547	45556.73451	0	45556.73451	4989.349211	0	17588.65952
Los Angeles (SC)	2025	LDT1	Aggregate	Aggregate	Plug-in Hybrid	677.1342963	34223.91571	14817.78225	19406.13347	2799.950315	0.543200163	5861.230703
Los Angeles (SC)	2025	LDT2	Aggregate	Aggregate	Gasoline	1598846.897	65845213.92	65845213.92	0	7529127.141	2702.160348	0
Los Angeles (SC)	2025	LDT2	Aggregate	Aggregate	Diesel	5200.085859	223595.1163	223595.1163	0	25066.83445	6.948576996	0
Los Angeles (SC)	2025	LDT2	Aggregate	Aggregate	Electricity	14017.6954	505882.2277	0	505882.2277	71409.26545	0	195312.2926
Los Angeles (SC)	2025	LDT2	Aggregate	Aggregate	Plug-in Hybrid	16355.85292	792451.7915	359033.7273	433418.0641	67631.45183	13.20325761	130905.1733
Los Angeles (SC)	2025	LHD1	Aggregate	Aggregate	Gasoline	123869.9548	4952849.986	4952849.986	0	1845477.76	357.8993576	0
Los Angeles (SC)	2025	LHD1	Aggregate	Aggregate	Diesel	58715.67018	2596323.511	2596323.511	0	738569.2665	126.2314468	0
Los Angeles (SC)	2025	LHD1	Aggregate	Aggregate	Electricity	1406.155134	98271.34501	0	98271.34501	19658.39802	0	54902.59503
Los Angeles (SC)	2025	LHD2	Aggregate	Aggregate	Gasoline	18894.4929	706862.803	706862.803	0	281499.7915	58.68448201	0
Los Angeles (SC)	2025	LHD2	Aggregate	Aggregate	Diesel	26698.07852	1155746.821	1155746.821	0	335828.2415	66.47988792	0
Los Angeles (SC)	2025	LHD2	Aggregate	Aggregate	Electricity	363.0686742	24101.85724	0	24101.85724	4814.662125	0	13474.91586
Los Angeles (SC)	2025	MCY	Aggregate	Aggregate	Gasoline	150473.4563	988230.8863	988230.8863	0	300946.9126	23.89776829	0
Los Angeles (SC)	2025	MDV	Aggregate	Aggregate	Gasoline	952282.7935	36302116.46	36302116.46	0	4421639.448	1830.76438	0
Los Angeles (SC)	2025	MDV	Aggregate	Aggregate	Diesel	11031.50419	427142.2782	427142.2782	0	51916.93917	17.78163752	0
Los Angeles (SC)	2025	MDV	Aggregate	Aggregate	Electricity	15185.9899	547666.3841	0	547666.3841	77344.87449	0	211444.4256
Los Angeles (SC)	2025	MDV	Aggregate	Aggregate	Plug-in Hybrid	9770.106857	434969.1711	199147.7827	235821.3884	40399.39185	7.4274497	71225.08789
Los Angeles (SC)	2025	MH	Aggregate	Aggregate	Gasoline	14653.52741	147454.4598	147454.4598	0	1465.938882	30.47047491	0
Los Angeles (SC)	2025	MH	Aggregate	Aggregate	Diesel	5521.467554	58425.64998	58425.64998	0	552.1467554	5.868398404	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	Aggregate	Diesel	632.8248219	84601.59218	84601.59218	0	14542.31441	15.1536446	0
Los Angeles (SC)	2025	OBUS	Aggregate	Aggregate	Gasoline	3574.776306	137680.6627	137680.6627	0	71524.12433	27.09622544	0
Los Angeles (SC)	2025	OBUS	Aggregate	Aggregate	Electricity	19.22602896	1412.471949	0	1412.471949	384.6743874	0	1487.69679
Los Angeles (SC)	2025	PTO	Aggregate	Aggregate	Diesel	0	107715.6155	107715.6155	0	0	21.45418036	0
Los Angeles (SC)	2025	PTO	Aggregate	Aggregate	Electricity	0	1401.362141	0	1401.362141	0	0	2902.947975
Los Angeles (SC)	2025	SBUS	Aggregate	Aggregate	Gasoline	1407.566843	61982.31618	61982.31618	0	5630.267374	6.890584573	0
Los Angeles (SC)	2025	SBUS	Aggregate	Aggregate	Diesel	1545.162913	30783.48004	30783.48004	0	22373.95898	4.197055222	0
Los Angeles (SC)	2025	SBUS	Aggregate	Aggregate	Electricity	25.60383708	817.4949517	0	817.4949517	272.6327049	0	945.27051
Los Angeles (SC)	2025	SBUS	Aggregate	Aggregate	Natural Gas	1561.068871	38177.46755	38177.46755	0	22604.27725	9.065455038	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	27.53357987	1815.735695	1815.735695	0	632.7216653	0.195873862	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.340564188	27.36279449	0	27.36279449	7.826165046	0	28.67703707
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	36.45289301	2494.951194	2494.951194	0	837.6874813	0.269338567	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.393886879	33.44850072	0	33.44850072	9.05152047	0	35.05504146
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	123.2463826	6475.672873	6475.672873	0	2832.201873	0.687813286	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	2.223159441	131.107867	0	131.107867	51.08820396	0	137.4050141
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	203.2958341	41009.7143	41009.7143	0	4671.738267	4.058991572	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	1.888279718	397.1936834	0	397.1936834	43.39266792	0	416.2710058
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Natural Gas	0.17598695	34.16024743	34.16024743	0	4.044180102	0.003492054	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	3872.091678	130018.9734	130018.9734	0	55254.74825	14.60104039	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	32.53302062	1328.52879	0	1328.52879	464.2462043	0	1388.316384
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	15.77057848	561.0246702	561.0246702	0	225.0461549	0.070210985	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	3985.185312	135181.8219	135181.8219	0	56868.5944	15.28722347	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	28.79592058	1176.752816	0	1176.752816	410.9177867	0	1229.710057
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	12.82384286	458.0992601	458.0992601	0	182.9962376	0.056832499	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	12226.44808	413384.4613	413384.4613	0	174471.4141	46.56383802	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	90.03777825	3633.848232	0	3633.848232	1284.839096	0	3797.381789
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	42.14655174	1490.621547	1490.621547	0	601.4312933	0.185494923	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	3045.508209	166109.7043	166109.7043	0	43459.40214	18.28600513	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	11.31486459	540.869077	0	540.869077	161.4631178	0	565.2097315
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	88.61559463	4861.964162	4861.964162	0	1264.544535	0.591965963	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	4793.940538	197687.3174	197687.3174	0	55417.95262	22.26247093	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	44.1737849	2089.691847	0	2089.691847	510.6489534	0	2183.784756
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Natural Gas	17.43367526	762.1095311	762.1095311	0	201.533286	0.094552011	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	10759.47261	462373.2293	462373.2293	0	124379.5034	52.27689018	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	78.67710307	3702.743395	0	3702.743395	909.5073115	0	3869.467451
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	Aggregate	Natural Gas	33.17205348	1462.005785	1462.005785	0	383.4689383	0.177913736	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	9653.057608	409528.5734	409528.5734	0	111589.346	46.17389611	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	77.55758274	3636.291383	0	3636.291383	896.5656564	0	3800.023293
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	Aggregate	Natural Gas	31.45907585	1371.538571	1371.538571	0	363.6669168	0.167973414	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	4446.421971	205369.3061	205369.3061	0	51400.63798	22.76531328	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	26.89154958	1863.427509	0	1863.427509	310.8663132	0	1947.332376
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	126.6496716	5928.547668	5928.547668	0	1464.070204	0.730325318	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	132.4208208	6895.757531	6895.757531	0	1530.784689	0.771850137	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	Aggregate	Natural Gas	0.407991103	22.82374474	22.82374474	0	4.716377151	0.002733007	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	1694.125105	99835.11228	99835.11228	0	19584.08621	10.46747609	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	Aggregate	Electricity	4.348669543	340.7055911	0	340.7055911	50.27061992	0	356.0465996
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	49.0157172	2917.08575	2917.08575	0	566.6216909	0.351537373	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	Aggregate	Diesel	16.02387548	1049.187194	1049.187194	0	368.2286586	0.111913932	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	Aggregate	Diesel	21.10946745	1439.296162	1439.296162	0	485.095562	0.153793862	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	Aggregate	Diesel	71.90004314	3760.922049	3760.922049	0	1652.262991	0.393509994	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	Aggregate	Diesel	108.8815127	27346.57996	27346.57996	0	2502.097163	2.683837687	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	Aggregate	Diesel	700.1662255	24611.87935	24611.87935	0	3591.852737	2.869442048	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	Aggregate	Electricity	6.515451041	282.662728	0	282.662728	33.42426384	0	295.8311551
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	76.91665057	3106.656011	3106.656011	0	394.5824174	0.391500812	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	474.694424	16716.032	16716.032	0	2435.182395	1.976621471	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	Aggregate	Electricity	4.302801004	186.3578806	0	186.3578806	22.07336915	0	195.0397474
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	68.11440732	2720.895954	2720.895954	0	349.4269096	0.343324422	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	Aggregate	Diesel	587.8295805	20341.63541	20341.63541	0	3015.565748	2.404822652	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	Aggregate	Electricity	6.412050738	272.2454116	0	272.2454116	32.89382029	0	284.9285265
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	68.0016593	2689.183651	2689.183651	0	348.8485122	0.342312486	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	Aggregate	Diesel	2553.558169	113044.2343	113044.2343	0	13099.75341	13.06131346	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	Aggregate	Electricity	25.13364277	1664.418554	0	1664.418554	128.9355874	0	1741.95893
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	294.6142066	15119.5613	15119.5613	0	1511.37088	1.839813441	0

Los Angeles (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Diesel	635.1033531	25657.41958	25657.41958	0	8129.32292	2.755880957	0
Los Angeles (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Electricity	10.80211703	469.4265278	0	469.4265278	138.267098	0	491.2957323
Los Angeles (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	3.752348195	149.5016393	149.5016393	0	48.0300569	0.017394249	0
Los Angeles (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Diesel	119.9880235	4827.383535	4827.383535	0	1535.846701	0.516419871	0
Los Angeles (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Electricity	2.056321098	89.36337505	0	89.36337505	26.32091006	0	93.52655247
Los Angeles (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	1.261586114	48.95091095	48.95091095	0	16.14830226	0.005708183	0
Los Angeles (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Diesel	136.0179481	6693.236514	6693.236514	0	1741.029736	0.711743933	0
Los Angeles (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Electricity	2.328977316	143.7785974	0	143.7785974	29.81090965	0	150.4768204
Los Angeles (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	1.654197155	71.92004708	71.92004708	0	21.17372359	0.008283911	0
Los Angeles (SC)	2025 T6TS	Aggregate	Aggregate	Gasoline	14350.96956	779405.2776	779405.2776	0	287134.199	149.5355578	0
Los Angeles (SC)	2025 T6TS	Aggregate	Aggregate	Electricity	99.49426104	9377.032268	0	9377.032268	1990.681175	0	9808.204414
Los Angeles (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6686.938918	1358593.608	1358593.608	0	153665.8563	216.0802196	0
Los Angeles (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	83.08861548	16320.23285	0	16320.23285	1909.376384	0	28901.5141
Los Angeles (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	27.51527092	5529.941281	5529.941281	0	632.3009258	0.996379143	0
Los Angeles (SC)	2025 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	6009.777144	1631472.712	1631472.712	0	138104.6788	251.9519697	0
Los Angeles (SC)	2025 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2547.17383	592389.4179	592389.4179	0	58534.0546	93.77862617	0
Los Angeles (SC)	2025 T7 POAK Class 8	Aggregate	Aggregate	Diesel	1.466332697	113.0893275	113.0893275	0	23.98920292	0.020324541	0
Los Angeles (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Diesel	9435.721642	1173650.409	1173650.409	0	154368.4061	196.4825865	0
Los Angeles (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Electricity	24.35511623	2577.259922	0	2577.259922	398.4497015	0	4557.802847
Los Angeles (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	109.8745825	13533.4626	13533.4626	0	1797.54817	2.389571195	0
Los Angeles (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Diesel	3542.619041	141935.965	141935.965	0	18173.63568	24.68810051	0
Los Angeles (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Electricity	31.91376819	2043.686117	0	2043.686117	163.7176308	0	3614.144584
Los Angeles (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	1345.24917	65189.60636	65189.60636	0	6901.128243	11.02494698	0
Los Angeles (SC)	2025 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Diesel	713.4040625	48585.26469	48585.26469	0	6720.266269	7.924324402	0
Los Angeles (SC)	2025 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Electricity	13.57766501	1109.213293	0	1109.213293	127.9016044	0	1958.122635
Los Angeles (SC)	2025 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Natural Gas	66.28232603	4648.247133	4648.247133	0	624.3795112	0.802309472	0
Los Angeles (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	2006.617148	113315.3027	113315.3027	0	18902.33354	18.87022049	0
Los Angeles (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	15.89560867	1302.914106	0	1302.914106	149.7366336	0	2300.067643
Los Angeles (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	134.0284135	8190.345398	8190.345398	0	1262.547655	1.491236577	0
Los Angeles (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	6351.876373	341597.782	341597.782	0	59834.67543	56.32564999	0
Los Angeles (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	67.42648486	4645.412451	0	4645.412451	635.1574874	0	8200.665579
Los Angeles (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	462.2470108	26140.42849	26140.42849	0	4354.366842	4.601446095	0
Los Angeles (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	1034.686575	67162.04046	67162.04046	0	4759.558247	25.6909706	0
Los Angeles (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	25.47483071	1569.213505	0	1569.213505	117.1842213	0	2766.856814
Los Angeles (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	3328.879708	215440.7843	215440.7843	0	15312.84666	35.44995061	0
Los Angeles (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	15142.78537	1117497.572	1117497.572	0	220024.6715	180.3710924	0
Los Angeles (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	86.61750705	6954.552684	0	6954.552684	1258.552377	0	12316.10208
Los Angeles (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	497.1169871	37363.66446	37363.66446	0	7223.109823	6.804772575	0
Los Angeles (SC)	2025 T7 Utility Class 8	Aggregate	Aggregate	Diesel	468.5499915	20588.88843	20588.88843	0	5997.439891	3.322787421	0
Los Angeles (SC)	2025 T7 Utility Class 8	Aggregate	Aggregate	Electricity	2.490889066	159.2407161	0	159.2407161	31.88338005	0	281.6082992
Los Angeles (SC)	2025 T7IS	Aggregate	Aggregate	Gasoline	38.00970234	2730.114768	2730.114768	0	760.4981244	0.659261572	0
Los Angeles (SC)	2025 T7IS	Aggregate	Aggregate	Electricity	0.089291032	26.89192581	0	26.89192581	1.786534977	0	47.40671134
Los Angeles (SC)	2025 UBUS	Aggregate	Aggregate	Gasoline	434.3887861	30651.97854	30651.97854	0	1737.555145	6.643775924	0
Los Angeles (SC)	2025 UBUS	Aggregate	Aggregate	Diesel	6.356431667	939.4744674	939.4744674	0	25.42572667	0.16146728	0
Los Angeles (SC)	2025 UBUS	Aggregate	Aggregate	Electricity	152.2443728	15265.9648	0	15265.9648	608.977491	0	32087.93491
Los Angeles (SC)	2025 UBUS	Aggregate	Aggregate	Natural Gas	3807.336326	407436.691	407436.691	0	15229.34531	132.2027606	0