Attachment E

Greenhouse Gas Emissions Report

Greenhouse Gas Emissions Inventory for the Proposed Solomon Hills Project

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List of Abbreviations

APN	Assessor Parcel Number
CalEEMod	California Emissions Estimator Model
CalGEM	California Department of Conservation Geologic Energy Management Division
CAPCOA	California Air Pollution Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CH_4	Methane
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
GHG	Greenhouse gas
GWP	Global warming potential
MF	Multi-family
MT	Metric tons
$MTCO_2e$	Metric tons carbon dioxide equivalent
N_2O	Nitrous oxide
Project	Solomon Hills Project
SCS	SCS Engineers
SF	Single family
Solstra	Solstra Communities CA, LLC
VMT	Vehicle miles traveled

1.0 INTRODUCTION

SCS Engineers (SCS) prepared this greenhouse gas (GHG) emission inventory report for the Solomon Hills Project (Project). The Project's primary and underlying purpose is to create a new community with a range of housing types, and a mix of commercial, office, public, quasi-public, recreational and open space uses. The goal of this study was to estimate the Project's emissions of GHGs from construction and operation for comparison to the Santa Barbara County Planning and Development's threshold for significance impacts to the environment [1].

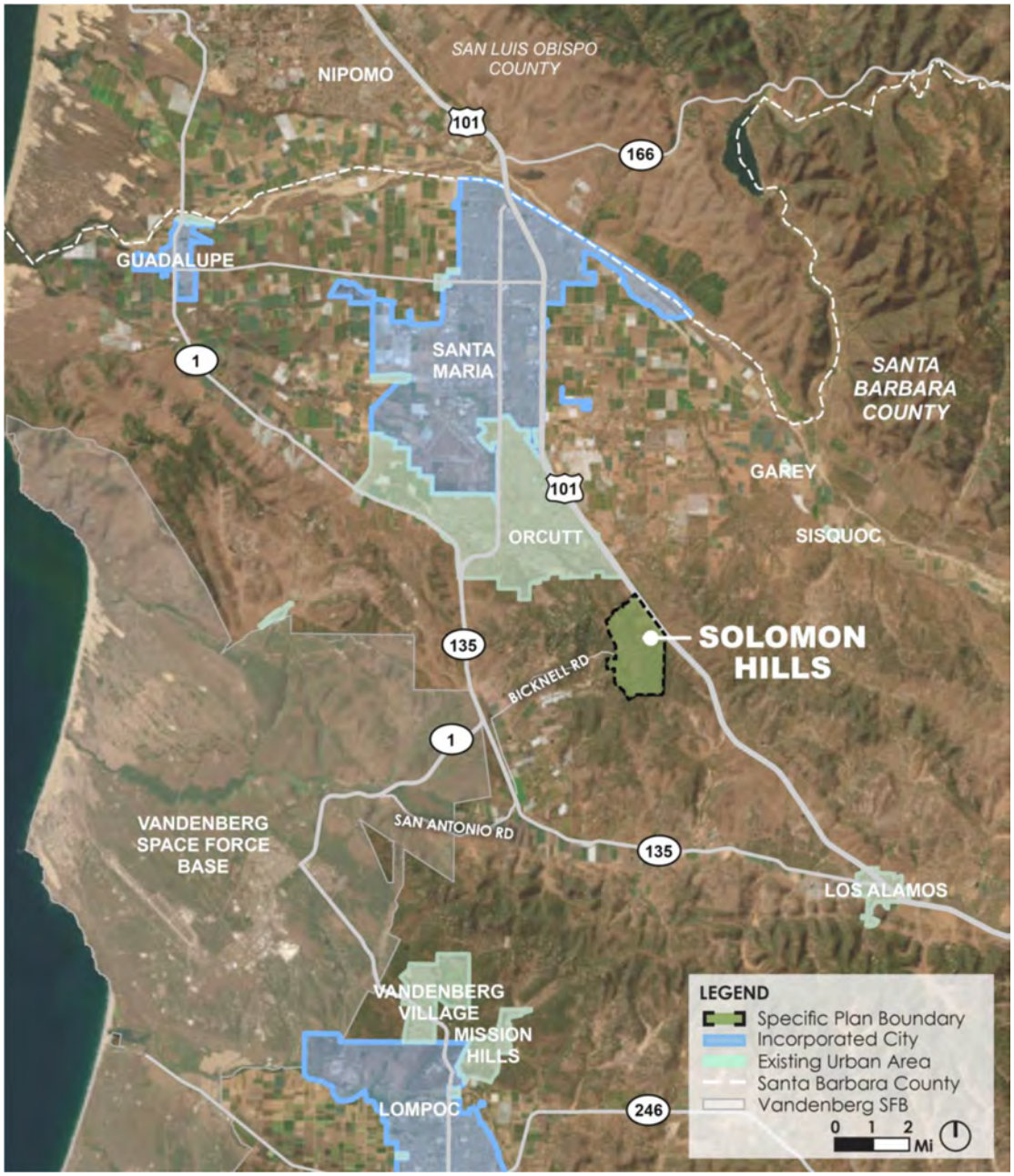
Following this Introduction, Section 2 provides a summary of the Project. Section 3 then discusses the environmental and regulatory setting for the Project while Section 4 discusses the methodology used in this study. Section 5 summarizes the Project's GHG impacts prior to mitigation. Section 6 then summarizes the Project's level of significance and any required mitigation measures. Finally, the appendices contain supporting documentation.

2.0 PROJECT DESCRIPTION

2.1 LOCATION

The Project Area site is located adjacent to and west of Highway 101, south of Orcutt by 0.7 miles, east of Highway 135 by two miles and north of Los Alamos by six miles. It encompasses portions of three legal parcels owned by Solstra Inc., including APN's 101-020-041, 043, 085, 086, and 087 totaling 4,195.2 acres (see Figure 1).

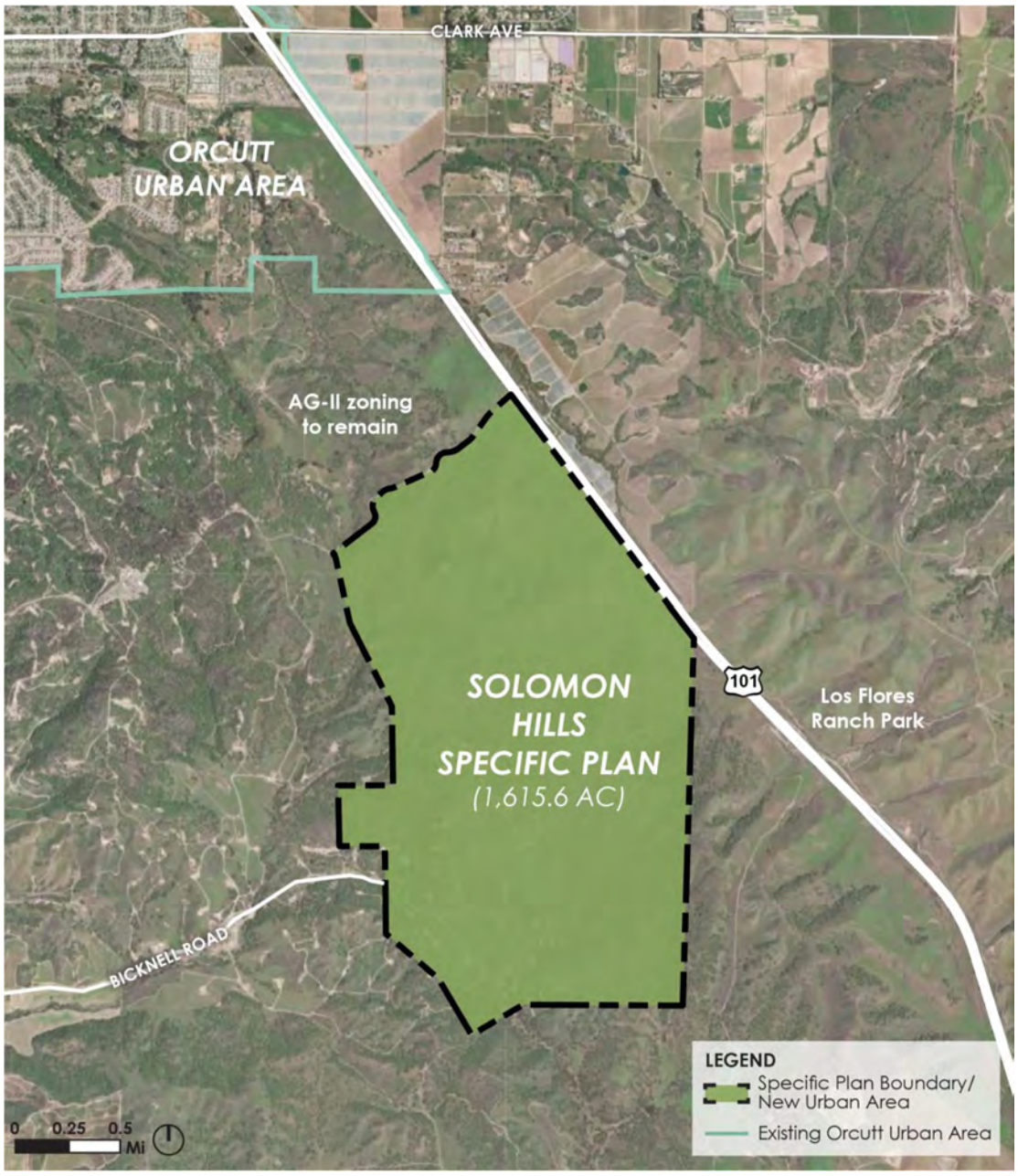
Figure 1. Project Location



2.2 EXISTING CONDITIONS

The Project Area is currently zoned AG-II-100 with a Land Use Designation of Agricultural Commercial (AC). Current land uses include grazing and oil and gas production (see Figure 2). Approximately 80% of the Project Area falls within the Orcutt Oil Field [2]. All existing oil and gas wells located within the Project Area will be permanently abandoned while associated pipelines, equipment, and sumps will be removed.

Figure 2. Existing Conditions



2.3 SOLOMON HILLS PROJECT

The Project proposes to create Santa Barbara County's first new community that will result in a sustainable, resilient and healthy environment for its residents. The Project establishes a holistic framework for Smart Growth with a redevelopment of private lands historically used for grazing and oil and gas production. It's proposed Specific Plan includes the design and implementation of a central village closely surrounded by several neighborhoods, office and commercial space, a TK-8 school, fire/sheriff station, parks, open space and public trails to allow walking and biking as an easy alternative to vehicle transport.

The Project's proposed Specific Plan allows for a balance of land uses primarily serving working families allowing 4,000 single and multi-family residential units, 650,000 square feet of commercial retail and office use and space, public and institutional uses and space, and recreational and open space uses. Critical infrastructure includes water supply and a water reclamation facility, interchange improvements along Hwy 101, additional secondary access along Hwy 101 and Hwy 135 and several active and passive parks and public trails. Public benefits include developer sponsored Affordable housing near commercial and transportation access points, utility and access improvements that minimize traffic impacts to neighboring properties, new public trail access into the Orcutt Hills, recreational improvements and public access to the Newlove Picnic Grounds, the preservation of open space ridgelines and valleys for habitat protection and the abandonment and remediation of all oilfield features and operations. The Project is designed to be built in four (4) buildout phases over a fourteen-year period for the orderly delivery of the Project. Phased grading, access, utility, horizontal and public improvements are scheduled ahead of and to align with the same buildout phases. See Appendix F for details.

Construction includes:

- Abandonment of 34 active oil wells and re-abandonment of an additional 31 previously abandoned wells if required due to grading operations, removal of oilfield infrastructure, and remediation of impacted soil;
- Site grading;
- Building construction;
- On-site roads (including a double-lane roundabout on the access road near the US-101 Ramps); and
- Off-site road improvements for:
    - Bicknell / Graciosa Road Paved to Highway 135;
    - Frontage Road to Existing Solomon Summit Interchange Highway 101;
    - Solomon Summit Lane Improvements Highway 101; and
    - New Interchange Highway 101.

The Project also includes the following design features which are feasible for reducing emissions:

- Energy Efficiency from Buildings
    - All new construction per current building code (e.g., California's Title 24 Building Energy Efficiency Standards).
    - All electric except for limited natural gas in certain commercial operations.
    - Solar panels on all residential, commercial, office, and retail.
    - Batteries installed in commercial, office, and retail.
    - Supplemental clean and renewable electricity provided by Central Coast Community Energy (3CE).

    - No fireplaces or wood stoves.
- Transportation Efficiency
    - Dense/walkable community with significant pedestrian and bike connectivity.
    - Electric vehicle (EV) ready chargers in all homes and throughout community, including office and retail.
    - EV bike rentals throughout community.
- Water Efficiency
    - WaterSense best management pratices (BMPs).
    - Water efficient fixutres.
    - Weather-based smart irrigation controllers.
    - Small lots with limited turf and xeric landscaping.
    - Recycled water for irrigation.
- Smart Community Design
    - Residential, office and retail designed together.
    - Major dedicated pedestrian and bike paths throughout.
    - Activity nodes or major event centers with various functions within a 5 minute walk.
    - Transit stops.
    - Village farmer's market.
    - Smaller houses and smaller lots in the main village to reduce walking distances.
    - Concentration of affordable and higher density multi-family near retail center.
    - Concentration of homes around new K-8 school to promote walking.
    - Active parks, trail and paths to promote EV Bikes and hiking.
    - Oak Tree Management and Replacement Plan.
    - Recreational and open space uses.

3.0 ENVIRONMENTAL AND REGULATORY SETTING

3.1 OVERVIEW

GHG emissions come from natural sources (e.g., forest fire) as well as human activity (e.g., fossil fuel combustion). GHG emissions are converted into equivalent emissions of carbon dioxide (CO_2e) by multiplying the metric tons of each GHG by its associated global warming potential (GWP). GHG pollutants and their associated GWPs (based on the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment report) include (but are not limited to): [12]

- Carbon dioxide (CO_2) [GWP = 1];
- Methane (CH_4) [GWP = 25];
- Nitrous oxide (N_2O) [GWP = 298]; and
- Fluorinated gases such as refrigerants [GWP is gas-specific].

3.2 POTENTIAL EFFECTS OF CLIMATE CHANGE

GHG emissions contribute to climate change by trapping heat in the atmosphere which can result in effects such as (but not limited to): [13]

- hotter temperatures;
- more severe storms;
- increased drought;
- warmer oceans;
- rising sea levels;
- loss of species;
- famine; and
- more health risks.

3.3 NATIONAL REGULATORY PROGRAMS

At the federal level, the United States Environmental Protection Agency (EPA) has adopted various regulatory actions and initiatives to address large sources of climate pollution including (but not limited to): [14]

- High global warming chemicals (e.g., hydrofluorocarbons commonly used as replacements for ozone-depleting substances in applications such as air conditioning, refrigeration, fire suppression, solvents, foam blowing agents, and aerosols).
- Transportation/mobile sources (emissions and fuel use standards for new light-duty and heavy-duty motor vehicles; GHG standards for aircraft; renewable fuels standard program).
- Stationary Sources (oil and natural gas; power plants; carbon pollution standards for new and existing fossil fuel-fired power plants; new and existing municipal solid waste landfills).
- Greenhouse Gas Reporting Program (Clean Air Act 40 CFR Part 98).
- Greenhouse Gas Endangerment and Cause or Contribute Findings.

3.4 STATE REGULATORY PROGRAMS

The State of California has adopted various goals to address climate change such as:

- reducing statewide GHG emissions to 40 percent below 1990 levels by 2030;
- achieving statewide carbon neutrality by 2045; and
- reducing statewide GHG emissions to 80 percent below 1990 levels by 2050.

To address these goals, the California Air Resources Board (CARB) has specific actions, research areas, and/or regulatory responsibilities for the following climate-related programs: [15]

- AB 32 Global Warming Solutions Act
- Building Decarbonization
- California Corporate Greenhouse Gas (GHG) Reporting and Climate Related Financial Risk Disclosure Programs
- California Greenhouse Gas Emission Inventory Program
- California Significant New Alternatives Policy (SNAP)
- California State Plan for Compliance with U.S. EPA's Landfill Emission Guidelines
- California Tropical Forest Standard
- Cap-and-Trade Program
- Carbon Neutrality
- Carbon Sequestration: Carbon Capture, Removal, Utilization, and Storage
- Clean Cars 4 All
- Compliance Offset Program
- Dairy and Livestock Greenhouse Gas Emissions Working Group
- Electricity Transmission and Distribution Greenhouse Gas Emissions
- Embodied Carbon
- Enhanced Fleet Modernization Program
- Greenhouse Gas Standards for Medium- and Heavy-Duty Engines and Vehicles
- Landfill Methane Regulation
- Local Actions for Climate Change
- Low Carbon Fuel Standard
- Low Carbon Transportation Incentives and Air Quality Improvement Program
- Mandatory Greenhouse Gas Emissions Reporting
- Natural and Working Lands
- Natural Gas Transmission and Distribution
- Nature Based Strategies
- Net-Zero Emissions Strategy for the Cement Sector
- Oil and Natural Gas Production, Processing, and Storage
- Refrigerant Management Program
- SB 1075 Report: Hydrogen Development, Deployment, and Use
- SB 1206 hydrofluorocarbons (HFCs)
- SB 350 Electricity Sector Greenhouse Gas Planning Targets
- Semiconductor
- Short-Lived Climate Pollutants
- Stationary Fuel Cell Net Energy Metering
- Stationary Hydrofluorocarbon Reduction Measures

- Sulfur Hexafluoride from Non-Electric Non-Semiconductor Sources
- Sustainable Communities & Climate Protection Program
- Tractor-Trailer Greenhouse Gas Aero Device Approval Program
- Tractor-Trailer Greenhouse Gas Regulation
- U.S. EPA Clean Power Plan
- U.S. EPA's Climate Pollution Reduction Grants Program
- Voluntary Accelerated Vehicle Retirement Program
- Zero-Emission Space and Water Heater Standards

3.5 REGIONAL / LOCAL REGULATORY PROGRAMS

To address the statewide climate goals, the County adopted the 2030 Climate Action Plan (CAP) which includes: [16]

- reducing GHG emissions to 50 percent below 2018 levels by 2030;
- achieving carbon neutrality by 2045;
- GHG emission threshold for discretionary industrial stationary sources;
- initial screening review of discretionary, non-industrial stationary sources for consistency with the 2030 CAP; and
- GHG emission thresholds for discretionary, non-industrial stationary sources that are not consistent with the 2030 CAP based upon the initial screening review.

3.6 THRESHOLDS OF SIGNIFICANCE

For non-industrial projects such as Solomon Hills, the Santa Barbara County Board of Supervisors has adopted an interim GHG emission threshold of significance based on the County's 2030 GHG emission target. Currently, the Santa Barbara County Board of Supervisors is in the process of adopting a lower GHG emission threshold for years beyond 2030. The GHG threshold applies to both direct and indirect emissions of GHGs. Direct emissions encompass the project's complete operations including mobile sources. Indirect emissions encompass GHGs emitted to provide the project with electricity, water, and liquid/solid waste services. Construction-related emissions are amortized over the lifetime of the project. In this case, a default project lifetime of 30 years was used in the analysis.

GHG emissions were estimated as noted in Sections 3.1 and 3.2. GHG emissions were converted into equivalent emissions of carbon dioxide (CO_2e) by multiplying the metric tons of each GHG by its associated global warming potential (GWP). The CO_2e was summed and then divided by the estimated service population (i.e., number of full time residents plus the number of full-time employees anticipated to be generated by the project) for comparison to the County's significance threshold in units of metric tons of CO_2e ($MTCO_2e$) per service population, per year. In this case, the service population was estimated to be 12,755.

The Project's first full year of operation is anticipated to be 2046 which falls closer to the 2045 carbon neutrality goal than the current 2030 GHG threshold of significance. To reduce GHG emissions, the Project is all electric (except for limited natural gas in certain commercial operations), incorporates solar panels on all residential, commercial, office, and retail; batteries installed in commercial, office, and retail; and supplemental clean and 100% renewable electricity provided by Central Coast Community Energy (3CE).

4.0 METHODOLOGY

4.1 SOURCES AND POLLUTANTS EVALUATED

Project construction emission sources modeled in this study included:

- Demolition
  - Concrete/industrial saws
  - Excavators
  - Dozers
- Site preparation including remediation
  - Dozers
  - Tractors/loaders/backhoes
- Grading
  - Excavators
  - Graders
  - Dozers
  - Scrapers
  - Tractors/loaders/backhoes
- Building construction
  - Cranes
  - Forklifts
  - Generator sets
  - Tractors/loaders/backhoes
  - Welders
- Paving
  - Pavers
  - Paving equipment
  - Rollers
- Architectural coatings
  - Air compressors
  - Coatings
- Road construction
  - Crawler tractors
  - Excavators
  - Graders
  - Rollers
  - Scrapers
  - Signal boards
  - Tractors/loaders/backhoes
  - Air compressors
  - Generator sets
  - Plate compactors
  - Pumps
  - Rough terrain forklifts
  - Pavers
  - Paving equipment
- Dust from material movement and roads
- Construction vehicles
- Electricity

- Vegetative changes
- Off-site utility and recreational improvements

Project operational emission sources modeled in this study included:

- 4,000 residential units (condos/townhouses, single family homes, and apartments)
- Commercial retail (125,000 building square feet)
- Commercial offices (525,000 building square feet)
- Elementary school (110,000 building square feet)
- Police/Fire facility (10,000 building square feet)
- Wastewater reclamation facility (5,000 building square feet)
- Parks
- Parking lots
- Vehicle fuel combustion and road dust
- Consumer products
- Architectural coatings
- Landscaping equipment
- Energy use
- Water, wastewater, and waste
- Refrigerants
- Vegetation changes

GHG emissions were quantified for carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and carbon dioxide equivalent (CO_2e) as follows:

Category	Sources	Emissions Quantified (X = Yes)			
		CO_2	CH_4	N_2O	CO_2e
Construction	Project combustion	X	X	X	X
Construction	Project refrigerants				X
Construction	Project vegetation	X			X
Operation	Baseline wells	X	X		X
Operation	Project mobile	X	X	X	X
Operation	Project area	X	X	X	X
Operation	Project energy	X	X	X	X
Operation	Project water	X	X	X	X
Operation	Project waste	X	X	X	X
Operation	Project refrigerants				X
Operation	Project vegetation	X			X

4.2 BASELINE EMISSIONS

Sixty-three (63) oil and gas wells were identified in the Project Description (32 active, 25 plugged, 2 canceled, and 4 idle) [2]. GHG emissions of carbon dioxide (CO_2) and methane (CH_4) from active wells were estimated using the California Air Resources Board (CARB) Regulation for the Mandatory Reporting of Greenhouse Gas Emissions Section 95153(p) and on-site gas analysis data [3]. See Appendix A for details.

4.3 PROJECT EMISSIONS

4.3.1 CalEEMod

Construction and operation emissions of GHGs from the Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.29 [4]. CalEEMod was developed for the California Air Pollution Officers Association (CAPCOA) in collaboration with California's Air Districts to estimate project emissions based on proposed land uses, sizes, general location, and approximate start dates for construction and operations. For modeling purposes, the Project was broken down into 38 groups for analysis (see Table 1 and Table 2). The modeled construction schedule in Table 3 was based upon available information in Appendix F. The first full year of operation was 2046. Note, these dates may be conservative so predicted emissions may also be conservative.

Table 1. CalEEMod Land Use Modeling by Size Unit

Description	Land Use Subtype	Size Unit	Phase 1 (size)	Phase 2 (size)	Phase 3 (size)	Phase 4 (size)	Total (size)
01. MF Attached	Condo/Townhouse	Dwelling Unit	236	0	305	0	541
02. MF Attached	Condo/Townhouse	Dwelling Unit	75	0	0	0	75
03. SF Detached	Single Family Housing	Dwelling Unit	224	0	0	0	224
04. SF Detached	Single Family Housing	Dwelling Unit	62	0	0	0	62
05. SF Detached	Single Family Housing	Dwelling Unit	53	0	152	0	205
06. SF Detached	Single Family Housing	Dwelling Unit	153	0	224	0	377
07. SF Detached	Single Family Housing	Dwelling Unit	118	0	143	0	261
08. SF Detached	Single Family Housing	Dwelling Unit	40	0	153	0	193
09. SF Detached	Single Family Housing	Dwelling Unit	104	0	130	76	310
10. SF Detached	Single Family Housing	Dwelling Unit	54	0	155	0	209
11. SF Detached	Single Family Housing	Dwelling Unit	83	80	65	0	228
12. SF Detached	Single Family Housing	Dwelling Unit	0	54	97	0	151
13. SF Detached	Single Family Housing	Dwelling Unit	0	0	39	0	39
14. MF Attached	Retirement Community	Dwelling Unit	75	300	0	0	375
15. SF Detached	Single Family Housing	Dwelling Unit	55	195	0	0	250
16. SF Detached	Single Family Housing	Dwelling Unit	0	100	0	0	100
17. MF IHP RHNA Low	Apartments Low Rise	Dwelling Unit	42	22	45	16	125
18. MF IHP RHNA Med	Apartments Mid Rise	Dwelling Unit	25	13	27	10	75
19. MF IHP RHNA High	Apartments Mid Rise	Dwelling Unit	68	35	73	24	200
20. Retail	Strip Mall (Various Retail)	1000sqft	10	15	30	70	125

Description	Land Use Subtype	Size Unit	Phase 1 (size)	Phase 2 (size)	Phase 3 (size)	Phase 4 (size)	Total (size)
21. Office	Office Park	1000sqft	5	25	130	365	525
22. School	Elementary School	1000sqft	0	0	110	0	110
23. Police/Fire	Government Office Building	1000sqft	0	0	10	0	10
24. Fitness Center	Health Club	1000sqft	0	0	0	10	10
25. Parks	City Park	Acre	21.6	0	0	0	21.6
26. Roads Onsite	Road Construction	Mile	4	3	3	1.25	11.25
27. CalTrans ROW	Road Construction	Mile	1	0	0	0	1
28. Basins	City Park	Acre	29.9	0	0	0	29.9
29. Cell Tower	General Office Building	1000sqft	0.1	0	0	0	0.1
30. Water Reclamation Plant	Government Office Building	1000sqft	5	0	0	0	5
31. Water Storage	City Park	Acre	0.9	0	0	0	0.9
32. Sewer Lift Station	General Light Industry	1000sqft	0.4	0	0	0	0.4
33. Private Slopes	City Park	Acre	94.8	85	94.8	33.9	308.5
34. Parking	Parking Lot	Acre	17.27	1.17	17.05	16.47	51.95
35. Roads Offsite	Road Construction	Mile	5	2	0	0	7
36. Utility Improvements Offsite	Road Construction	Mile	22.3	0	0	0	22.3
37. Storm Water Improvements Offsite	City Park	Acre	7.5	0	0	0	7.5
38. Recreational Improvements Offsite	City Park	Acre	31	0	0	0	31

Table 2. CalEEMod Land Use Modeling by Acreage

Description	Land Use Subtype	Phase 1 (acres)	Phase 2 (acres)	Phase 3 (acres)	Phase 4 (acres)	Total (acres)
01. MF Attached	Condo/Townhouse	13.13	0	16.97	0	30.1
02. MF Attached	Condo/Townhouse	4.1	0	0	0	4.1
03. SF Detached	Single Family Housing	23.2	0	0	0	23.2
04. SF Detached	Single Family Housing	5.4	0	0	0	5.4
05. SF Detached	Single Family Housing	7.01	0	20.09	0	27.1
06. SF Detached	Single Family Housing	19.32	0	28.28	0	47.6
07. SF Detached	Single Family Housing	13.74	0	16.66	0	30.4
08. SF Detached	Single Family Housing	5.76	0	22.04	0	27.8
09. SF Detached	Single Family Housing	18.49	0	23.11	13.51	55.1
10. SF Detached	Single Family Housing	10.36	0	29.74	0	40.1
11. SF Detached	Single Family Housing	17.8	17.2	13.94	0	48.9
12. SF Detached	Single Family Housing	0	14.3	25.76	0	40.1

Description	Land Use Subtype	Phase 1 (acres)	Phase 2 (acres)	Phase 3 (acres)	Phase 4 (acres)	Total (acres)
13. SF Detached	Single Family Housing	0	0	15.4	0	15.4
14. MF Attached	Retirement Community	6	24	0	0	30
15. SF Detached	Single Family Housing	4.95	17.6	0	0	22.5
16. SF Detached	Single Family Housing	0	12.7	0	0	12.7
17. MF IHP RHNA Low	Apartments Low Rise	1.65	0.86	1.76	0.63	4.9
18. MF IHP RHNA Med	Apartments Mid Rise	1.1	0.57	1.19	0.44	3.3
19. MF IHP RHNA High	Apartments Mid Rise	1.8	0.93	1.93	0.64	5.3
20. Retail	Strip Mall (Various Retail)	0.23	0.34	0.69	1.61	2.87
21. Office	Office Park	0.11	0.57	2.98	8.38	12.05
22. School	Elementary School	0	0	2.53	0	2.53
23. Police/Fire	Government Office Building	0	0	0.23	0	0.23
24. Fitness Center	Health Club	0	0	0	0.23	0.23
25. Parks	City Park	21.6	0	0	0	21.6
26. Roads Onsite	Road Construction	33.1	24.8	24.83	10.34	93.1
27. CalTrans ROW	Road Construction	6.9	0	0	0	6.9
28. Basins	City Park	29.9	0	0	0	29.9
29. Cell Tower	General Office Building	0.002	0	0	0	0.002
30. Water Reclamation Plant	Government Office Building	0.11	0	0	0	0.11
31. Water Storage	City Park	0.9	0	0	0	0.9
32. Sewer Lift Station	General Light Industry	0.01	0	0	0	0.01
33. Private Slopes	City Park	94.8	85	94.8	33.9	308.5
34. Parking	Parking Lot	17.27	1.17	17.05	16.47	51.95
35. Roads Offsite	Road Construction	36.36	14.5	0	0	50.9
36. Utility Improvements Offsite	Road Construction	1.35	0	0	0	1.35
37. Storm Water Improvements Offsite	City Park	7.5	0	0	0	7.5
38. Recreational Improvements Offsite	City Park	31	0	0	0	31

Table 3. CalEEMod Project Schedule Modeled

Construction Phase	Construction Start Date	Construction End Date	Grading (weeks)	Grading (million cubic yards)
1	1/1/2030	12/31/2035	36	11.4
2	1/1/2036	12/31/2038	9	4.0
3	1/1/2039	12/31/2044	23	7.8
4	1/1/2045	6/30/2045	5	0.8

4.3.2 Construction

Project construction was modeled based upon the following:

- Available project data provided by Solstra.
- Construction schedule broken down into four phases beginning in year 2030 (see Table 3).
- Electricity from Central Coast Community Energy (3CE) was assumed to be 100% renewable from solar and wind.
- Landscape parameters were not available and were estimated as follows:
    - Residential landscape area = 50% of (lot area – building foot print area).
    - Retail landscape area = 30% of lot area.
    - Commercial office landscape area = 20% of lot area.
- Parking lot parameters were not available and were estimated as follows:
    - Total area – building footprint area – landscape area.
- Special landscape area (recycle water) was based on the Project's Treated Effluent Reuse and Storage Areas Memorandum [8].
- Off-site road construction/improvements were estimated to be seven miles in length based on schematics from the Project's traffic report and Google Earth imagery.
- Off-site utility and recreational improvements were included.
- CalEEMod defaults were used except as noted below.
- Number and types of construction equipment estimated using CalEEMod and the construction schedule in Table 3.
- Grading material volumes based on Table 3. Hauling distance for on-site grading material assumed to be five miles (i.e., from one location to another within the project boundary).
- Construction analysis included 2,560 tons for oilfield demolition. Demolition hauling distance assumed a worst case one-way distance of 110 miles to the McKittrick landfill (13 haul trips).
- Construction analysis included 13,743 cubic yards [17] of soil for remediation as part of site preparation. Remediation hauling distance assumed a worst case one-way distance of 110 miles to the McKittrick landfill (34 haul trips).
- Soil type was assumed to be sand gravel for road construction.
- Vegetation land use change was based on development acres. Soil type was estimated as Entisols using UC Davis' SoilWeb [10].

See the CalEEMod reports in Appendix C for details.

4.3.3 Operation

Project operation was modeled based upon the following:

- Available project data provided by Solstra.
- First full year of operation was 2046.
- Electricity from Central Coast Community Energy (3CE) was assumed to be 100% renewable from solar and wind.
- Landscape parameters were not available and were estimated as follows:
    - Residential landscape area = 50% of (lot area – building foot print area).
    - Retail landscape area = 30% of lot area.
    - Commercial office landscape area = 20% of lot area.
- Parking lot parameters were not available and were estimated as follows:
    - Total area – building footprint area – landscape area.
- Special landscape area (recycle water) was based on the Project's Treated Effluent Reuse and Storage Areas Memorandum [8].
- CalEEMod defaults were used except as noted below.
- Vehicle trips per day and vehicle miles traveled (VMT) per day based on Project's traffic study report [5]. Average daily Project trips on the weekend expected to be 6% lower than average weekday trips.
- No fireplaces or wood stoves.
- Residential units do not have natural gas connections. Therefore, residential natural gas consumption predicted by CalEEMod was converted into additional residential electricity consumption. See Appendix B for details.
- Standard mitigation measures in CalEEMod were not selected to avoid under reporting emissions. For example, the Project includes design features include solar panels on all residential, commercial, office, and retail; batteries installed in commercial, office, and retail; electric vehicle (EV) ready chargers in all homes and throughout community, including office and retail; and EV bike rentals throughout community.
- Indoor water demand was assumed equal to the predicted wastewater influent rate [6, 7].
- Outdoor water demand was equal to total water demand minus indoor water demand [6].
- Vegetation land use change was based on development acres. Soil type was estimated as Entisols using UC Davis' SoilWeb [10].
- Vegetation sequestration was based on the Project's Oak Tree Management and Replacement plan [9]. Sequestration parameters were estimated using the i-Tree Planting Calculator [11]. Sequestration was modeled as "Quercus acutifolia" since the quercus species listed in the oak tree plan were not available in i-Tree.

See Appendix B for the residential natural gas usage conversion into additional electricity usage. See the CalEEMod report in Appendix D for details.

5.0 PROJECT IMPACTS PRIOR TO MITIGATION

5.1 PROJECT IMPACTS

Table 4 summarizes the GHG emissions from construction while Table 5 summarizes the GHG from operations. Based upon the analysis conducted, the proposed Project does not exceed the Santa Barbara County's 2030 thresholds of significance for GHG emissions (see Table 6).

Table 4. Project Construction GHG Emissions

Construction Phase	Year	CO_2 (MT)	CH_4 (MT)	N_2O (MT)	Refrigerant (MT)	CO_2e ($MTCO_2e$)
1	2030	12,404.16	0.65	1.84	6.65	12,975.50
1	2031	8,789.24	0.34	0.17	1.75	8,849.61
1	2032	8,783.26	0.34	0.17	1.56	8,842.81
1	2033	8,731.25	0.34	0.17	1.39	8,790.29
1	2034	8,704.67	0.34	0.16	1.23	8,762.62
1	2035	8,679.92	0.33	0.12	1.08	8,725.08
2	2036	9,502.03	0.36	0.59	1.41	9,688.36
2	2037	7,951.68	0.31	0.09	0.42	7,985.99
2	2038	7,942.09	0.31	0.09	0.36	7,975.85
3	2039	9,432.89	0.30	1.02	1.53	9,746.81
3	2040	8,383.75	0.32	0.12	0.41	8,426.78
3	2041	8,347.94	0.31	0.11	0.35	8,389.79
3	2042	8,336.36	0.31	0.11	0.30	8,378.16
3	2043	8,325.93	0.31	0.11	0.25	8,367.68
3	2044	8,339.54	0.31	0.11	0.21	8,380.45
4	2045	3,214.64	0.12	0.12	0.09	3,254.84
Total:		135,869.36	5.31	5.10	19.00	137,540.63
Amortized Over 30 Year Project Lifetime:		4,528.98	0.18	0.17	0.63	4,584.69

Table 5. Project Operational GHG Emissions

Category	CO_2 (MT/yr)	CH_4 (MT/yr)	N_2O (MT/yr)	Refrigerant (MT/yr)	CO_2e ($MTCO_2e$/yr)
Construction – Amortized Over 30 Year Project Lifetime	4,528.98	0.18	0.17	0.63	4,584.69
Operation – Mobile	21,904.36	1.01	1.03	2.98	22,240.77
Operation – Area	61.01	0.00	0.00	0.00	61.22
Operation – Energy	949.59	0.08	0.00	0.00	952.23
Operation – Water	64.01	0.22	0.14	0.00	111.19
Operation – Waste	375.98	32.22	0.00	0.00	1,181.51
Operation – Refrigerant	0.00	0.00	0.00	10.37	10.37
Sub-Total:	27,883.93	33.71	1.35	13.98	29,141.97
Operation – Vegetation	-1,280.71	0.00	0.00	0.00	-1,280.71
Operation – Oil/Gas Well Abandonment	-1.19	-1.61	0.00	0.00	-41.34
Sub-Total:	-1,281.90	-1.61	0.00	0.00	-1,322.05
Total:	26,602.03	32.10	1.35	13.98	27,819.92

Table 6. Comparison of GHG Emissions to 2030 Threshold of Significance

Project GHG Emissions ($MTCO_2e$/yr)	Project Service Population	Project GHG Emissions ($MTCO_2e$ per service population, per year)	GHG Threshold of Significance ($MTCO_2e$ per service population, per year)	Project Exceeds Threshold?
27,819.92	12,755	2.18 *	2.67	No

* Note, the GHG emissions per service population, per year without credit for vegetation and oil and gas abandonment is 2.28 (29,141.97 / 12,755), which also does not exceed the 2.67 threshold of significance.

5.2 CONSISTENCY WITH THE 2030 CLIMATE ACTION PLAN

The County's 2030 CAP Consistency Checklist (also known as the CEQA GHG Checklist) streamlines the initial screening review process for discretionary non-industrial stationary sources such as this proposed Project. The CEQA GHG Checklist identifies requirements that must be met in order for a future development project to be consistent with the 2030 CAP [16]. Based upon the completed CEQA GHG Checklist (see Appendix E), this Project was initially not consistent with the 2030 CAP. Therefore, this Project did the following in order to be consistent with the 2030 CAP:

- prepared a Project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions, for comparison to the applicable County GHG emission threshold for discretionary, non-industrial stationary sources; and
- incorporated the 2030 Climate Action Plan measures in the CEQA GHG Checklist to the extent feasible.

The California Air Resources Board 2022 Scoping Plan Update provides a path for achieving carbon neutrality by 2045 through various measures such as GHG reduction targets; transitioning from fossil fuels to clean energy and clean technologies; and sustainable land management for carbon storage and sequestration. The Project includes the following design features which are feasible for reducing GHG emissions, transitioning away from fossil fuels, and sustainable land management (see Section 2.3 for details):

- Energy Efficiency from Buildings;
- Transportation Efficiency;
- Water Efficiency; and
- Smart Community Design including use of 3CE as a renewable energy provider.

The Santa Barbara County Association of Governments' Connected 2050 is the County's Regional Transportation Plan and Sustainable Communities Strategy. This 25-year vision shapes future development and includes over 200 regional priority transportation projects across Santa Barbara County. The Project includes the following design features which are feasible for reducing GHG emissions from transportation (see Section 2.3 for details):

- Transportation Efficiency; and
- Smart Community Design.

6.0 PROJECT LEVEL OF SIGINIFICANCE

6.1 PRIOR TO MITIGATION

Prior to mitigation, the Project's impacts were below the Santa Barbara County's 2030 thresholds of significance for GHG emissions and not significant. Although the Project will not be carbon neutral by the first operational year (2046), the Project incorporates design features to reduce GHG emissions to the extent possible (e.g., electric vehicle (EV) ready chargers in all homes and throughout community, including office and retail, etc.).

6.2 AFTER MITIGATION

As noted in Appendix E, the Project was not consistent with the County 2030 Climate Action Plan. Therefore, the following mitigation measures will be incorporated into the Project:

- County 2030 Climate Action Plan Measure TR-3: The Project will commit to use of electrified off-road landscaping equipment for on-going operations and maintenance where feasible.
- County 2030 Climate Action Plan Measures W-1 and W-2: The Project will meet current legislation and 2030 Climate Action Plan goals to properly sort and collect recyclables and organic waste, as applicable, to reduce communitywide landfilled organics 80% by 2030 and 100% by 2045 by providing dedicated space for organic waste and/or recycling receptacles.
- County 2030 Climate Action Plan Measure W-2: The Project meet SB 1383 legislation requirements by posting education signage, as applicable, and sorting and collecting organic waste, as applicable, to achieve 0.08 tons per capita compost procurement requirements for the unincorporated County.

After mitigation, the Project's impacts were below the Santa Barbara County's 2030 thresholds of significance for GHG emissions and not significant.

7.0 REFERENCES

1. County of Santa Barbara Planning and Development, "Environmental Thresholds and Guidelines Manual", Section 11 Greenhouse Emissions, January 2021.
2. California Department of Conservation Geologic Energy Management Division (CalGEM), "GIS Mapping Data - Field Boundaries and Northern District Wells", https://www.conservation.ca.gov/calgem/maps/Pages/GISMapping2.aspx.
3. California Air Resources Board, "Regulation for the Mandatory Reporting of Greenhouse Gas Emissions", California Code of Regulations (CCR), Title 17, Division 3, Chapter 1, Subchapter 10, Sections 95100-95163, https://oal.ca.gov/.
4. California Air Pollution Control Officers Association, "California Emissions Estimator Model (CalEEMod)", Version 2022.1.1.29, dated 2024-11-13, https://www.caleemod.com/.
5. Kimley Horn, "Vehicle Miles Traveled and Local Transportation Analysis Final Solomon Hills Specific Plan County of Santa Barbara, California", Sacramento, CA, February 3, 2025.
6. Wallace Group, "Memorandum – Solomon Hills Water Demand", San Luis Obispo, CA, June 2024.
7. Wallace Group, "Memorandum – Solomon Hills Wastewater Analysis", San Luis Obispo, CA, June 2024.
8. Wallace Group, "Memorandum – Solomon Hills Treated Effluent Reuse and Storage Areas", San Luis Obispo, CA, June 2024.
9. Dudek, "Oak Tree Management and Replacement Plan – Solomon Hills Community Project", Pasadena, CA, June 2024.
10. UC Davis, "SoilWeb", https://casoilresource.lawr.ucdavis.edu/gmap/.
11. i-Tree, "i-Tree Planting Calculator", https://planting.itreetools.org/.
12. California Air Resources Board, "GHG Global Warming Potentials", https://ww2.arb.ca.gov/ghg-gwps.
13. United Nations, "Causes and Effects of Climate Change" https://www.un.org/en/climatechange/science/causes-effects-climate-change.
14. EPA, "Climate Change Regulatory Actions and Initiatives", https://www.epa.gov/climate-change/climate-change-regulatory-actions-and-initiatives.
15. CARB, "Climate Change", https://ww2.arb.ca.gov/our-work/topics/climate-change.
16. Santa Barbara County, "2030 Climate Action Plan", https://www.countyofsb.org/1217/2030-Climate-Action-Plan.
17. Waterstone Environmental, Inc., "Phase II Investigation and Remedial Action Plan", Anaheim, CA, June 27, 2024.

Appendix A

Solomon Hills Oil & Gas Wells

SOLOMON HILLS WELL MAP

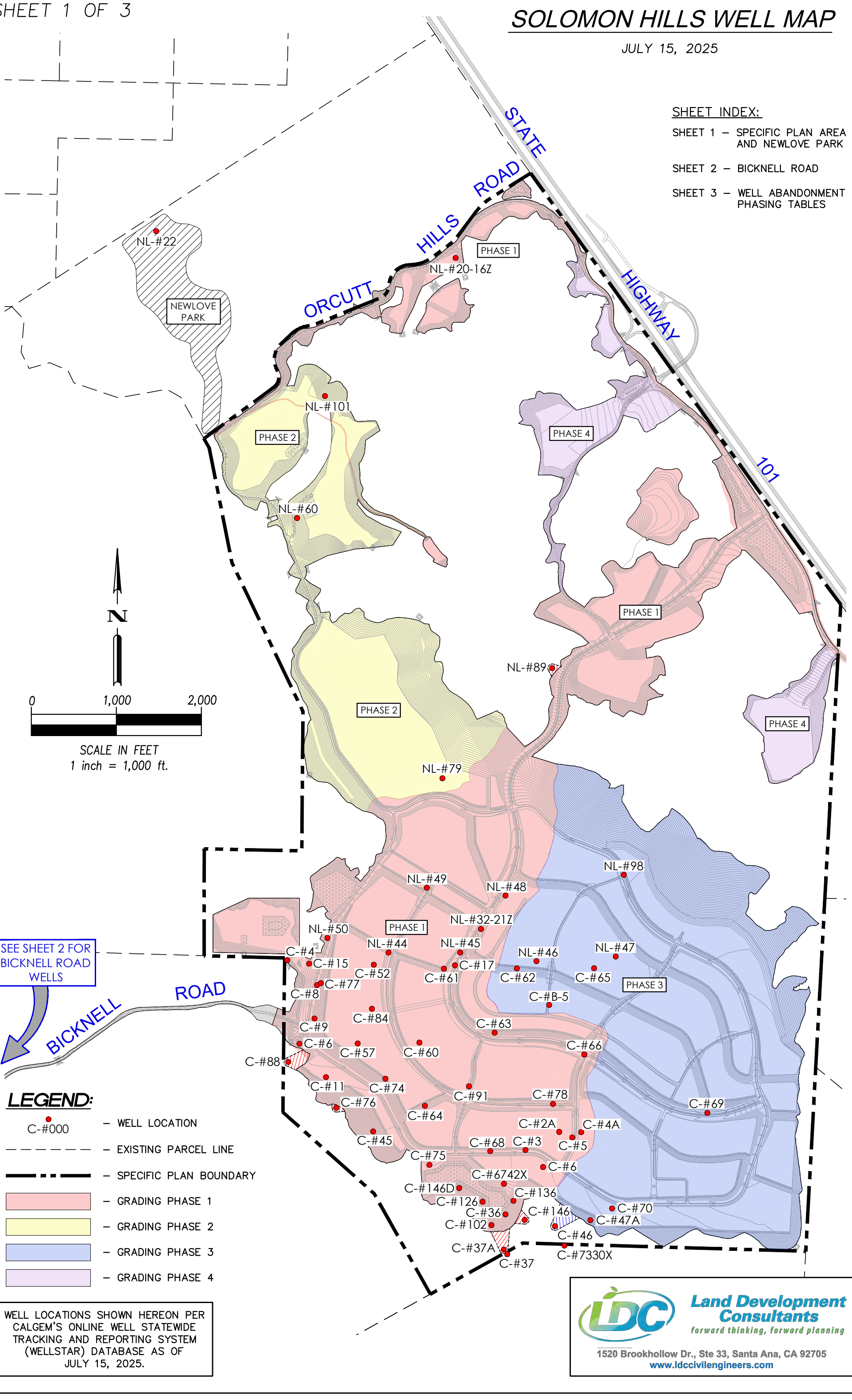
JULY 15, 2025

SHEET INDEX:

SHEET 1 – SPECIFIC PLAN AREA AND NEWLOVE PARK

SHEET 2 – BICKNELL ROAD

SHEET 3 – WELL ABANDONMENT PHASING TABLES



LEGEND:

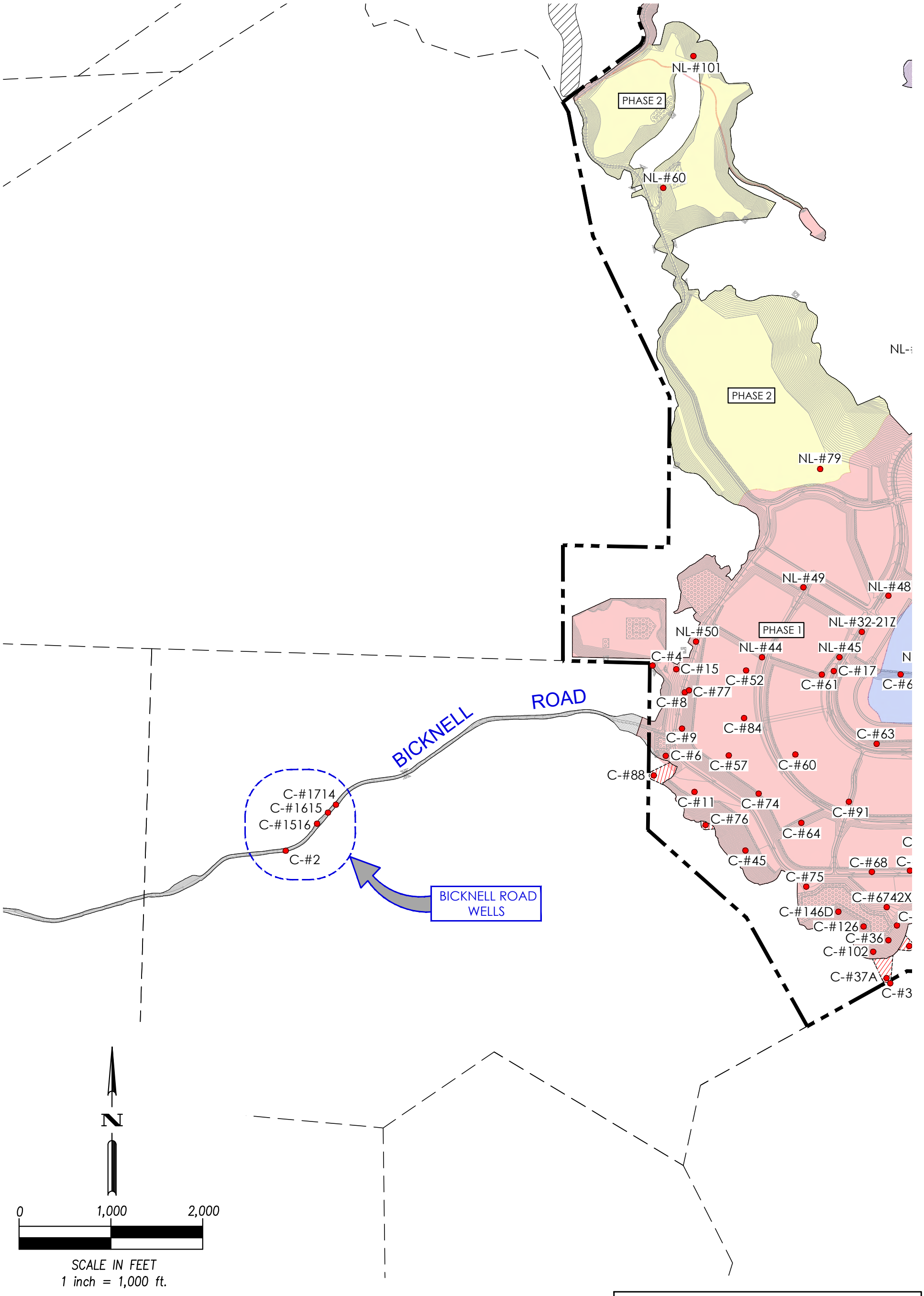
- C-#000 – WELL LOCATION
- – EXISTING PARCEL LINE
- – SPECIFIC PLAN BOUNDARY
- – GRADING PHASE 1
- – GRADING PHASE 2
- – GRADING PHASE 3
- – GRADING PHASE 4

WELL LOCATIONS SHOWN HEREON PER CALGEM'S ONLINE WELL STATEWIDE TRACKING AND REPORTING SYSTEM (WELLSTAR) DATABASE AS OF JULY 15, 2025.

Land Development Consultants
forward thinking, forward planning
1520 Brookhollow Dr., Ste 33, Santa Ana, CA 92705
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SOLOMON HILLS WELL MAP

JULY 15, 2025



WELL LOCATIONS SHOWN HEREON PER CALGEM'S ONLINE WELL STATEWIDE TRACKING AND REPORTING SYSTEM (WELLSTAR) DATABASE AS OF JULY 15, 2025.

LEGEND:

C-#000 – WELL LOCATION

– – – – – – EXISTING PARCEL LINE

——— · ——— SPECIFIC PLAN BOUNDARY

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SOLOMON HILLS WELL MAP

JULY 15, 2025

PHASE 1 SPECIFIC PLAN BOUNDARY

#	LEASE NAME	WELL #	API #	STATUS
1	CAREAGA	C-#2A	0408322208	ACTIVE
2	CAREAGA	C-#3	0408322209	PLUGGED
3	CAREAGA	C-#4	0408302040	ACTIVE
4	CAREAGA	C-#4A	0408322210	ACTIVE
5	CAREAGA	C-#5	0408322211	PLUGGED
6	CAREAGA	C-#6	0408302042	ACTIVE
7	CAREAGA	C-#6	0408322220	ACTIVE
8	CAREAGA	C-#8	0408302044	PLUGGED
9	CAREAGA	C-#9	0408302045	PLUGGED
10	CAREAGA	C-#11	0408302047	ACTIVE
11	CAREAGA	C-#15	0408302051	PLUGGED
12	CAREAGA	C-#17	0408302053	CANCELED
13	CAREAGA	C-#36	0408320677	ACTIVE
14	CAREAGA	C-#37A	0408321259	PLUGGED
15	CAREAGA	C-#45	0408302079	ACTIVE
16	CAREAGA	C-#52	0408302086	ACTIVE
17	CAREAGA	C-#57	0408302091	ACTIVE
18	CAREAGA	C-#60	0408302094	ACTIVE
19	CAREAGA	C-#61	0408302095	ACTIVE
20	CAREAGA	C-#63	0408302097	ACTIVE
21	CAREAGA	C-#64	0408302098	ACTIVE
22	CAREAGA	C-#66	0408302100	ACTIVE
23	CAREAGA	C-#68	0408302102	PLUGGED
24	CAREAGA	C-#74	0408302107	ACTIVE
25	CAREAGA	C-#75	0408302108	ACTIVE
26	CAREAGA	C-#76	0408302109	ACTIVE
27	CAREAGA	C-#77	0408302110	ACTIVE
28	CAREAGA	C-#78	0408302111	ACTIVE
29	CAREAGA	C-#84	0408302117	ACTIVE
30	CAREAGA	C-#88	0408302120	ACTIVE
31	CAREAGA	C-#91	0408302123	ACTIVE
32	CAREAGA	C-#102	0408322215	PLUGGED
33	CAREAGA	C-#126	0408322108	ACTIVE
34	CAREAGA	C-#136	0408321379	ACTIVE
35	CAREAGA	C-#146	0408321957	PLUGGED
36	CAREAGA	C-#146D	0408322196	ACTIVE
37	CAREAGA	C-#6742X	0408322214	ACTIVE
38	NEWLOVE	NL-#20-16Z	0408322439	PLUGGED
39	NEWLOVE	NL-#32-21Z	0408322428	PLUGGED
40	NEWLOVE	NL-#44	0408302299	PLUGGED
41	NEWLOVE	NL-#45	0408302300	PLUGGED
42	NEWLOVE	NL-#48	0408302303	ACTIVE
43	NEWLOVE	NL-#49	0408302304	PLUGGED
44	NEWLOVE	NL-#50	0408302305	PLUGGED
45	NEWLOVE	NL-#89	0408302331	PLUGGED

PHASE 1 OFFSITES - Newlove Park & Bicknell Road

#	LEASE NAME	WELL #	API #	STATUS
46	CAREAGA-Bicknell	C-#2	0408322348	PLUGGED
47	CAREAGA-Bicknell	C-#1516	0408322646	IDLE
48	CAREAGA-Bicknell	C-#1615	0408322654	IDLE
49	CAREAGA-Bicknell	C-#1714	0408322651	ACTIVE
50	NEWLOVE-Park	NL-#22	0408302281	PLUGGED

PHASE 2 - SPECIFIC PLAN BOUNDARY

#	LEASE NAME	WELL #	API #	STATUS
51	NEWLOVE	NL-#60	0408302313	PLUGGED
52	NEWLOVE	NL-#79	0408302324	PLUGGED
53	NEWLOVE	NL-#101	0408302341	PLUGGED

PHASE 3 - SPECIFIC PLAN BOUNDARY

#	LEASE NAME	WELL #	API #	STATUS
54	CAREAGA	C-#B-5	0408320317	IDLE
55	CAREAGA	C-#37	0708321204	ACTIVE
56	CAREAGA	C-#46	0408321223	ACTIVE
57	CAREAGA	C-#47A	0408321822	IDLE
58	CAREAGA	C-#62	0408302096	ACTIVE
59	CAREAGA	C-#65	0408302099	PLUGGED
60	CAREAGA	C-#69	0408302103	PLUGGED
61	CAREAGA	C-#70	0408302104	PLUGGED
62	CAREAGA	C-#7330X	0408322474	ACTIVE
63	NEWLOVE	NL-#46	0408302301	ACTIVE
64	NEWLOVE	NL-#47	0408302302	CANCELED
65	NEWLOVE	NL-#98	0408302339	PLUGGED

PHASE 4 - SPECIFIC PLAN BOUNDARY

NO WELLS

WELL DATA SHOWN HEREON PER CALGEM'S ONLINE WELL STATEWIDE TRACKING AND REPORTING SYSTEM (WELLSTAR) DATABASE AS OF JULY 15, 2025.

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Equipment Type	Component Type	No. of Active Wells	Average Component Count per Active Well	Component Counts	Light Crude Oil Emission Factor (scf/comp-hr)	Hours of Operation per Component (hr/yr)	CO_2 * Concentration	CH_4 * Concentration	CO_2 Emissions (scf/yr)	CH_4 Emissions (scf/yr)	CO_2 Emissions (MT/yr)	CH_4 Emissions (MT/yr)	Total Emissions (MT CO_2e/yr)
Wellhead	Valves	32	5	160	0.05	8760	13.28%	49.08%	9308.38	34394.10	0.49	0.66	17.00
Wellhead	Flanges	32	10	320	0.003	8760	13.28%	49.08%	1117.01	4127.29	0.06	0.08	2.04
Wellhead	Connectors	32	4	128	0.007	8760	13.28%	49.08%	1042.54	3852.14	0.05	0.07	1.90
Wellhead	Open-Ended Lines	32	0	0	0.05	8760	13.28%	49.08%	0.00	0.00	0.00	0.00	0.00
Wellhead	Other components	32	1	32	0.3	8760	13.28%	49.08%	11170.05	41272.92	0.59	0.79	20.40
									Totals:		**1.19**	**1.61**	**41.34**

* Gas Analysis Data		
Sample Date	CO_2 Mole (%)	CH_4 Mole (%)
1/26/2023	12.16	50.90
2/9/2023	9.96	44.57
3/23/2023	6.37	53.77
4/17/2023	8.85	9.01
5/16/2023	12.37	46.77
6/20/2023	31.15	33.81
7/18/2023	6.12	51.39
8/21/2023	15.83	56.06
9/18/2023	13.78	52.15
10/23/2023	15.50	61.73
11/27/2023	16.48	60.50
12/18/2023	10.82	68.28
Average:	**13.28**	**49.08**

Appendix B

CalEEMod Conversion of Residential Natural Gas Usage to Additional Electricity Usage

No.	CalEEMOD Residential Land Use Subtype	CalEEMOD Initial Residential Electricity Usage (kWh/yr)	CalEEMOD Initial Residential Natural Gas Usage (kBTU/yr)	CalEEMOD Additional Residential Electricity Usage (kWh/yr)	CalEEMOD Adjusted Residential Electricity Usage (kWh/yr)
1	Condo/Townhouse	1,916,034	21,764,700	6,378,869	8,294,903
2	Condo/Townhouse	265,624	3,017,287	884,316	1,149,940
3	Single Family Housing	1,358,191	8,937,627	2,619,468	3,977,660
4	Single Family Housing	375,928	2,473,807	725,031	1,100,959
5	Single Family Housing	1,242,987	8,179,524	2,397,281	3,640,269
6	Single Family Housing	2,285,884	15,042,345	4,408,659	6,694,543
7	Single Family Housing	1,582,535	10,413,931	3,052,149	4,634,684
8	Single Family Housing	1,170,227	7,700,723	2,256,953	3,427,180
9	Single Family Housing	1,879,639	12,369,037	3,625,157	5,504,797
10	Single Family Housing	1,267,241	8,339,125	2,444,058	3,711,298
11	Single Family Housing	1,382,444	9,097,227	2,666,245	4,048,689
12	Single Family Housing	915,566	6,024,918	1,765,802	2,681,369
13	Single Family Housing	236,471	1,556,105	456,068	692,539
14	Retirement Community	1,182,974	10,047,542	2,944,766	4,127,740
15	Single Family Housing	1,515,838	9,975,030	2,923,514	4,439,352
16	Single Family Housing	606,335	3,990,012	1,169,406	1,775,741
17	Apartments Low Rise	394,325	3,349,181	981,589	1,375,913
18	Apartments Mid Rise	222,592	1,875,471	549,669	772,261
19	Apartments Mid Rise	593,579	5,001,257	1,465,785	2,059,364

Notes:
CalEEMOD was first used to estimate the initial electricity and natural gas usages for each residential land use subtype.
Residential units do not use natural gas per the project description.
Initial residential natural gas usage was converted to additional residential electricity usage (kWh/3.412 kBTU).
CalEEMOD adjusted residential electricity usage was then equal to the initial plus the additional (converted) usages.

Appendix C

CalEEMod Reports - Construction

Solomon Hills - Construction Phase 1 Detailed Report

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5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Solomon Hills - Construction Phase 1
Construction Start Date	1/1/2030
Lead Agency	Santa Barbara County Planning and Development
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.827445, -120.377753
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Central Coast Community Energy
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	236	Dwelling Unit	13.1	417,012	181,729	0.00	682	01. MF Attached
Condo/Townhouse	75.0	Dwelling Unit	4.10	110,625	61,642	0.00	217	02. MF Attached

Single Family Housing	224	Dwelling Unit	23.2	380,800	410,096	0.00	647	03. SF Detached
Single Family Housing	62.0	Dwelling Unit	5.40	97,650	93,200	0.00	179	04. SF Detached
Single Family Housing	53.0	Dwelling Unit	7.01	95,400	128,748	0.00	153	05. SF Detached
Single Family Housing	153	Dwelling Unit	19.3	298,350	346,154	0.00	442	06. SF Detached
Single Family Housing	118	Dwelling Unit	13.7	247,800	237,396	0.00	341	07. SF Detached
Single Family Housing	40.0	Dwelling Unit	5.76	88,000	103,489	0.00	116	08. SF Detached
Single Family Housing	104	Dwelling Unit	18.5	249,600	340,207	0.00	301	09. SF Detached
Single Family Housing	54.0	Dwelling Unit	10.4	145,800	189,207	0.00	156	10. SF Detached
Single Family Housing	83.0	Dwelling Unit	17.8	269,750	269,750	0.00	240	11. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	12. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	13. SF Detached
Retirement Community	75.0	Dwelling Unit	6.00	112,500	74,430	0.00	165	14. MF Attached
Single Family Housing	55.0	Dwelling Unit	4.95	96,250	59,686	0.00	121	15. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	16. SF Detached
Apartments Low Rise	42.0	Dwelling Unit	1.65	27,300	29,034	0.00	121	17. MF IHP RHNA Low
Apartments Mid Rise	25.0	Dwelling Unit	1.10	20,000	18,958	0.00	72.0	18. MF IHP RHNA Med
Apartments Mid Rise	68.0	Dwelling Unit	1.80	64,600	23,098	0.00	197	19. MF IHP RHNA High
Strip Mall	10.0	1000sqft	0.23	10,000	7,700	3,485	—	20. Retail

Office Park	5.00	1000sqft	0.11	5,000	2,567	1,493	—	21. Office
Elementary School	0.00	1000sqft	0.00	0.00	0.00	0.00	—	22. School
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	23. Police/Fire
Health Club	0.00	1000sqft	0.00	0.00	0.00	0.00	—	24. Fitness Center
City Park	21.6	Acre	21.6	0.00	799,762	0.00	—	25. Parks
Road Construction	4.00	Mile	33.1	0.00	0.00	—	—	26. Roads Onsite
Road Construction	1.00	Mile	6.90	0.00	0.00	—	—	27. CalTrans ROW
City Park	29.9	Acre	29.9	0.00	0.00	0.00	—	28. Basins
General Office Building	0.10	1000sqft	< 0.005	100	0.00	0.00	—	29. Cell Tower
Government Office Building	5.00	1000sqft	0.11	5,000	123,710	0.00	—	30. Water Reclamation Plant
City Park	0.90	Acre	0.90	0.00	0.00	0.00	—	31. Water Storage
General Light Industry	0.40	1000sqft	0.01	400	871	0.00	—	32. Sewer Lift Station
City Park	94.8	Acre	94.8	0.00	3,510,065	515,349	—	33. Private Slopes
Parking Lot	17.3	Acre	17.3	0.00	0.00	0.00	—	34. Parking
Road Construction	5.00	Mile	36.4	0.00	0.00	—	—	35. Roads Offsite
Road Construction	22.3	Mile	1.35	0.00	0.00	—	—	36. Utility Improvements Offsite
City Park	7.50	Acre	7.50	0.00	0.00	0.00	—	37. Storm Water Improvements Offsite
City Park	31.0	Acre	31.0	0.00	1,149,984	1,149,984	—	38. Recreational Improvements Offsite

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	51.7	46.6	269	331	1.11	7.11	42.7	45.3	6.54	12.0	14.5	—	143,967	143,967	7.60	21.9	181	150,858
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51.7	46.6	277	333	1.11	7.11	42.7	45.3	6.54	12.0	14.5	—	144,172	144,172	7.60	22.1	4.70	150,938
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.9	33.2	147	237	0.58	5.08	23.1	24.7	4.67	6.77	8.36	—	74,922	74,922	3.91	11.1	40.2	78,373
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.73	6.06	26.8	43.2	0.11	0.93	4.21	4.51	0.85	1.24	1.53	—	12,404	12,404	0.65	1.84	6.65	12,976

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	17.8	9.42	269	138	1.11	2.63	42.7	45.3	2.56	12.0	14.5	—	143,967	143,967	7.60	21.9	181	150,858
2031	51.7	46.6	198	331	0.60	7.11	22.2	29.3	6.54	3.98	10.5	—	74,521	74,521	2.87	1.42	34.2	75,050
2032	50.7	45.6	191	327	0.60	6.72	22.2	28.9	6.18	3.98	10.2	—	74,265	74,265	2.87	1.40	30.6	74,784
2033	49.7	44.8	185	324	0.60	6.23	22.2	28.4	5.74	3.98	9.72	—	74,025	74,025	2.80	1.04	27.2	74,432

2034	48.3	43.9	178	320	0.60	5.77	22.2	28.0	5.31	3.98	9.29	—	73,797	73,797	2.80	1.02	24.1	74,194
2035	47.5	43.3	173	317	0.60	5.33	22.2	27.5	4.90	3.98	8.88	—	73,586	73,586	2.80	1.02	21.2	73,980
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	22.2	21.6	277	141	1.11	2.63	42.7	45.3	2.56	12.0	14.5	—	144,172	144,172	7.60	22.1	4.70	150,938
2031	51.7	46.6	198	333	0.60	7.11	22.2	29.3	6.54	3.98	10.5	—	74,314	74,314	2.91	1.46	0.89	74,823
2032	50.7	45.6	191	328	0.60	6.72	22.2	28.9	6.18	3.98	10.2	—	74,061	74,061	2.91	1.40	0.79	74,552
2033	49.8	44.9	185	325	0.60	6.23	22.2	28.4	5.74	3.98	9.72	—	73,824	73,824	2.84	1.40	0.71	74,313
2034	48.4	44.0	179	321	0.60	5.77	22.2	28.0	5.31	3.98	9.29	—	73,600	73,600	2.84	1.37	0.62	74,081
2035	47.6	43.3	174	318	0.60	5.33	22.2	27.5	4.90	3.98	8.88	—	73,390	73,390	2.84	1.02	0.55	73,766
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	10.8	6.45	147	80.0	0.58	1.66	23.1	24.7	1.60	6.77	8.36	—	74,922	74,922	3.91	11.1	40.2	78,373
2031	36.9	33.2	141	237	0.43	5.08	15.7	20.8	4.67	2.81	7.48	—	53,087	53,087	2.08	1.01	10.5	53,452
2032	36.2	32.7	137	234	0.43	4.81	15.7	20.6	4.43	2.82	7.24	—	53,051	53,051	2.05	1.00	9.44	53,411
2033	35.5	32.0	132	231	0.43	4.45	15.7	20.2	4.10	2.81	6.91	—	52,737	52,737	2.03	1.00	8.42	53,094
2034	34.5	31.4	128	229	0.43	4.12	15.7	19.8	3.79	2.81	6.60	—	52,577	52,577	2.03	0.98	7.44	52,927
2035	34.0	30.9	124	226	0.43	3.80	15.7	19.5	3.50	2.81	6.31	—	52,427	52,427	2.00	0.73	6.55	52,700
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.97	1.18	26.8	14.6	0.11	0.30	4.21	4.51	0.29	1.24	1.53	—	12,404	12,404	0.65	1.84	6.65	12,976
2031	6.73	6.06	25.8	43.2	0.08	0.93	2.87	3.79	0.85	0.51	1.37	—	8,789	8,789	0.34	0.17	1.75	8,850
2032	6.62	5.96	25.0	42.8	0.08	0.88	2.87	3.75	0.81	0.51	1.32	—	8,783	8,783	0.34	0.17	1.56	8,843
2033	6.48	5.84	24.1	42.2	0.08	0.81	2.87	3.68	0.75	0.51	1.26	—	8,731	8,731	0.34	0.17	1.39	8,790
2034	6.30	5.73	23.3	41.7	0.08	0.75	2.87	3.62	0.69	0.51	1.20	—	8,705	8,705	0.34	0.16	1.23	8,763
2035	6.20	5.64	22.6	41.3	0.08	0.69	2.87	3.56	0.64	0.51	1.15	—	8,680	8,680	0.33	0.12	1.08	8,725

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.08	10.3	13.6	0.02	0.45	—	0.45	0.41	—	0.41	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.08	10.3	13.6	0.02	0.45	—	0.45	0.41	—	0.41	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.92	0.77	7.39	9.74	0.01	0.32	—	0.32	0.29	—	0.29	—	1,403	1,403	0.06	0.01	—	1,407

Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.35	1.78	< 0.005	0.06	—	0.06	0.05	—	0.05	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.62	0.57	0.32	4.42	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	1,015	1,015	0.03	0.05	2.94	1,033
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.57	0.37	4.56	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	995	995	0.03	0.05	0.08	1,011
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.40	0.26	3.16	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	711	711	0.02	0.03	0.91	723
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	0.08	0.07	0.05	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	118	118	< 0.005	0.01	0.15	120
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

3.3. Linear, Grubbing & Land Clearing (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.04	9.99	13.6	0.02	0.42	—	0.42	0.39	—	0.39	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.04	9.99	13.6	0.02	0.42	—	0.42	0.39	—	0.39	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

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	0.89	0.74	7.15	9.74	0.01	0.30	—	0.30	0.28	—	0.28	—	1,406	1,406	0.06	0.01	—	1,411
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
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	0.16	0.14	1.31	1.78	< 0.005	0.05	—	0.05	0.05	—	0.05	—	233	233	0.01	< 0.005	—	234
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.59	0.55	0.31	4.13	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	1,000	1,000	0.03	0.05	2.64	1,017
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.55	0.33	4.24	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	979	979	0.03	0.05	0.07	994

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.39	0.23	2.97	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	702	702	0.02	0.03	0.82	713
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	0.08	0.07	0.04	0.54	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	116	116	< 0.005	0.01	0.14	118
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

3.5. Linear, Grubbing & Land Clearing (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	9.72	13.6	0.02	0.39	—	0.39	0.36	—	0.36	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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-Roa Equipment	1.19	1.00	9.72	13.6	0.02	0.39	—	0.39	0.36	—	0.36	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.85	0.72	6.95	9.70	0.01	0.28	—	0.28	0.25	—	0.25	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
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	0.16	0.13	1.27	1.77	< 0.005	0.05	—	0.05	0.05	—	0.05	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.57	0.52	0.27	3.88	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	985	985	0.02	0.01	2.37	992
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.53	0.32	4.01	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	965	965	0.03	0.05	0.06	980
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.37	0.23	2.77	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	690	690	0.02	0.03	0.73	701
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	0.07	0.07	0.04	0.51	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	114	114	< 0.005	0.01	0.12	116
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

3.7. Linear, Grubbing & Land Clearing (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	9.53	13.6	0.02	0.36	—	0.36	0.33	—	0.33	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	9.53	13.6	0.02	0.36	—	0.36	0.33	—	0.33	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.83	0.69	6.81	9.68	0.01	0.26	—	0.26	0.24	—	0.24	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
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	0.15	0.13	1.24	1.77	< 0.005	0.05	—	0.05	0.04	—	0.04	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.51	0.50	0.23	3.63	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	972	972	0.02	0.01	2.10	978
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.50	0.29	3.73	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	952	952	0.03	0.05	0.05	967
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	0.20	2.58	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	681	681	0.02	0.03	0.65	692
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	0.07	0.06	0.04	0.47	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	113	113	< 0.005	0.01	0.11	115
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

3.9. Linear, Grubbing & Land Clearing (2035) - Unmitigated

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

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

Off-Road	1.12	0.94	9.40	13.5	0.02	0.33	—	0.33	0.31	—	0.31	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	9.40	13.5	0.02	0.33	—	0.33	0.31	—	0.31	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.80	0.67	6.71	9.67	0.01	0.24	—	0.24	0.22	—	0.22	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
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	0.15	0.12	1.23	1.76	< 0.005	0.04	—	0.04	0.04	—	0.04	—	232	232	0.01	< 0.005	—	233

Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.50	0.49	0.23	3.43	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	960	960	0.02	0.01	1.86	966
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.49	0.28	3.50	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	940	940	0.03	0.01	0.05	944
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	0.20	2.43	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	672	672	0.02	0.01	0.57	676
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	0.07	0.06	0.04	0.44	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.10	112
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

3.11. Linear, Grading & Excavation (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.8	9.89	75.1	114	0.24	2.97	—	2.97	2.74	—	2.74	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.8	9.89	75.1	114	0.24	2.97	—	2.97	2.74	—	2.74	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.41	7.07	53.7	81.1	0.17	2.12	—	2.12	1.95	—	1.95	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—

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	1.53	1.29	9.79	14.8	0.03	0.39	—	0.39	0.36	—	0.36	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.97	0.89	0.50	6.88	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,579	1,579	0.04	0.07	4.57	1,607
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	60.7	60.7	< 0.005	0.01	0.09	63.5
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.89	0.58	7.10	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,547	1,547	0.05	0.08	0.12	1,572
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	60.7	60.7	< 0.005	0.01	< 0.005	63.5
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.63	0.40	4.91	0.00	0.00	1.22	1.22	0.00	0.29	0.29	—	1,106	1,106	0.04	0.05	1.41	1,124
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.3	43.3	< 0.005	0.01	0.03	45.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.07	0.90	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	183	183	0.01	0.01	0.23	186

Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.18	7.18	< 0.005	< 0.005	< 0.005	7.51
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. Linear, Grading & Excavation (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.4	9.61	72.1	113	0.24	2.80	—	2.80	2.58	—	2.58	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.4	9.61	72.1	113	0.24	2.80	—	2.80	2.58	—	2.58	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	8.20	6.89	51.7	80.9	0.17	2.01	—	2.01	1.85	—	1.85	—	18,605	18,605	0.75	0.15	—	18,669
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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-Roa d Equipm ent	1.50	1.26	9.43	14.8	0.03	0.37	—	0.37	0.34	—	0.34	—	3,080	3,080	0.12	0.02	—	3,091
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.92	0.85	0.49	6.43	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,555	1,555	0.04	0.07	4.11	1,582
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.6	58.6	< 0.005	0.01	0.08	61.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.85	0.51	6.60	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,523	1,523	0.05	0.07	0.11	1,547
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.7	58.7	< 0.005	0.01	< 0.005	61.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.60	0.36	4.62	0.00	0.00	1.23	1.23	0.00	0.29	0.29	—	1,092	1,092	0.03	0.05	1.27	1,110

Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.02	43.9
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	0.12	0.11	0.07	0.84	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	181	181	0.01	0.01	0.21	184
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.95	6.95	< 0.005	< 0.005	< 0.005	7.27
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. Linear, Grading & Excavation (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.1	9.37	69.6	113	0.24	2.59	—	2.59	2.38	—	2.38	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	11.1	9.37	69.6	113	0.24	2.59	—	2.59	2.38	—	2.38	—	25,976	25,976	1.05	0.21	—	26,065

Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.96	6.69	49.7	80.4	0.17	1.85	—	1.85	1.70	—	1.70	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.45	1.22	9.07	14.7	0.03	0.34	—	0.34	0.31	—	0.31	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.88	0.81	0.43	6.04	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,533	1,533	0.04	0.02	3.68	1,543
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56.6	56.6	< 0.005	0.01	0.07	59.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.90	0.83	0.50	6.23	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,502	1,502	0.04	0.07	0.10	1,525
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56.7	56.7	< 0.005	0.01	< 0.005	59.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.58	0.35	4.31	0.00	0.00	1.22	1.22	0.00	0.29	0.29	—	1,074	1,074	0.03	0.05	1.14	1,091
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.5	40.5	< 0.005	0.01	0.02	42.4
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	0.12	0.11	0.06	0.79	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	178	178	0.01	0.01	0.19	181
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.70	6.70	< 0.005	< 0.005	< 0.005	7.01
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. Linear, Grading & Excavation (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.8	9.09	66.8	112	0.24	2.38	—	2.38	2.19	—	2.19	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.8	9.09	66.8	112	0.24	2.38	—	2.38	2.19	—	2.19	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.72	6.49	47.7	80.1	0.17	1.70	—	1.70	1.56	—	1.56	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.41	1.18	8.71	14.6	0.03	0.31	—	0.31	0.28	—	0.28	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.79	0.77	0.37	5.65	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,512	1,512	0.04	0.02	3.27	1,522
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.7	54.7	< 0.005	0.01	0.06	57.2
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.80	0.78	0.44	5.81	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,481	1,481	0.04	0.07	0.08	1,504
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.8	54.8	< 0.005	0.01	< 0.005	57.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.55	0.31	4.02	0.00	0.00	1.22	1.22	0.00	0.29	0.29	—	1,059	1,059	0.03	0.05	1.01	1,076
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.1	39.1	< 0.005	0.01	0.02	40.9
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	0.10	0.10	0.06	0.73	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	175	175	0.01	0.01	0.17	178
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	< 0.005	6.76
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. Linear, Grading & Excavation (2035) - Unmitigated

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

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

Off-Road	10.5	8.85	64.6	112	0.24	2.20	—	2.20	2.02	—	2.02	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.5	8.85	64.6	112	0.24	2.20	—	2.20	2.02	—	2.02	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.53	6.32	46.1	79.9	0.17	1.57	—	1.57	1.44	—	1.44	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.37	1.15	8.42	14.6	0.03	0.29	—	0.29	0.26	—	0.26	—	3,072	3,072	0.12	0.02	—	3,082

Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.77	0.76	0.36	5.33	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,493	1,493	0.04	0.02	2.89	1,502
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	52.9	52.9	< 0.005	0.01	0.05	55.4
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.76	0.44	5.45	0.00	0.00	1.74	1.74	0.00	0.41	0.41	—	1,462	1,462	0.04	0.02	0.07	1,469
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	53.0	53.0	< 0.005	0.01	< 0.005	55.4
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.54	0.30	3.78	0.00	0.00	1.22	1.22	0.00	0.29	0.29	—	1,046	1,046	0.03	0.01	0.89	1,051
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.8	37.8	< 0.005	0.01	0.01	39.5
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.69	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	173	173	< 0.005	< 0.005	0.15	174
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.26	6.26	< 0.005	< 0.005	< 0.005	6.55
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. Linear, Drainage, Utilities, & Sub-Grade (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.93	8.32	63.5	90.5	0.22	2.41	—	2.41	2.22	—	2.22	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	9.93	8.32	63.5	90.5	0.22	2.41	—	2.41	2.22	—	2.22	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	7.09	5.95	45.3	64.7	0.16	1.72	—	1.72	1.58	—	1.58	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—

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	1.29	1.08	8.27	11.8	0.03	0.31	—	0.31	0.29	—	0.29	—	2,691	2,691	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.90	0.83	0.46	6.39	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,467	1,467	0.04	0.07	4.24	1,492
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	0.04	0.02	0.70	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	484	484	0.02	0.08	0.61	507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.90	0.83	0.54	6.59	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,437	1,437	0.05	0.07	0.11	1,460
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	0.04	0.01	0.72	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	484	484	0.02	0.08	0.02	507
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.58	0.38	4.56	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,027	1,027	0.03	0.05	1.31	1,044
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	0.03	0.01	0.52	0.20	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	346	346	0.01	0.05	0.19	362
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	0.83	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	170	170	0.01	0.01	0.22	173

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	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.2	57.2	< 0.005	0.01	0.03	60.0

3.23. Linear, Drainage, Utilities, & Sub-Grade (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.74	8.16	61.1	90.1	0.22	2.30	—	2.30	2.11	—	2.11	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	9.74	8.16	61.1	90.1	0.22	2.30	—	2.30	2.11	—	2.11	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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-Roa Equipment	6.98	5.85	43.7	64.6	0.16	1.64	—	1.64	1.51	—	1.51	—	16,301	16,301	0.66	0.13	—	16,357
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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-Roa d Equipm ent	1.27	1.07	7.98	11.8	0.03	0.30	—	0.30	0.28	—	0.28	—	2,699	2,699	0.11	0.02	—	2,708
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.86	0.79	0.45	5.97	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,444	1,444	0.04	0.07	3.82	1,469
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	0.03	0.01	0.68	0.27	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	469	469	0.02	0.08	0.54	493
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	0.79	0.47	6.13	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,415	1,415	0.05	0.07	0.10	1,436
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	0.03	0.01	0.70	0.27	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	470	470	0.02	0.08	0.01	493
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.34	4.29	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,014	1,014	0.03	0.05	1.18	1,031

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	0.02	0.01	0.50	0.19	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	336	336	0.01	0.05	0.17	353
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	0.78	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	168	168	< 0.005	0.01	0.20	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.7	55.7	< 0.005	0.01	0.03	58.5

3.25. Linear, Drainage, Utilities, & Sub-Grade (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.56	8.01	58.9	89.8	0.22	2.15	—	2.15	1.98	—	1.98	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	9.56	8.01	58.9	89.8	0.22	2.15	—	2.15	1.98	—	1.98	—	22,759	22,759	0.92	0.18	—	22,838

Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	6.83	5.72	42.1	64.1	0.16	1.54	—	1.54	1.41	—	1.41	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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	1.25	1.04	7.67	11.7	0.03	0.28	—	0.28	0.26	—	0.26	—	2,691	2,691	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.82	0.76	0.40	5.61	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,423	1,423	0.03	0.02	3.42	1,433
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	0.03	0.01	0.65	0.26	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	456	456	0.02	0.07	0.48	479

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.77	0.47	5.79	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,394	1,394	0.04	0.07	0.09	1,416
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	0.03	0.01	0.67	0.27	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	457	457	0.02	0.07	0.01	479
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.54	0.33	4.00	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	997	997	0.03	0.05	1.06	1,013
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	0.02	0.01	0.48	0.19	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	326	326	0.01	0.05	0.15	342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	0.73	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	165	165	< 0.005	0.01	0.17	168
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	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.0	54.0	< 0.005	0.01	0.02	56.6

3.27. Linear, Drainage, Utilities, & Sub-Grade (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.35	7.83	56.5	89.5	0.22	1.98	—	1.98	1.82	—	1.82	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—

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	9.35	7.83	56.5	89.5	0.22	1.98	—	1.98	1.82	—	1.82	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	6.68	5.60	40.4	63.9	0.16	1.42	—	1.42	1.30	—	1.30	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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	1.22	1.02	7.37	11.7	0.03	0.26	—	0.26	0.24	—	0.24	—	2,692	2,692	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.73	0.72	0.34	5.25	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,404	1,404	0.03	0.02	3.04	1,413
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	0.03	0.01	0.63	0.25	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	444	444	0.02	0.07	0.42	465
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.72	0.41	5.39	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,375	1,375	0.04	0.07	0.08	1,397
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	0.03	0.01	0.65	0.26	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	444	444	0.02	0.07	0.01	465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.51	0.29	3.73	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	983	983	0.03	0.05	0.94	1,000
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	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	317	317	0.01	0.05	0.13	332
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.05	0.68	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	163	163	< 0.005	0.01	0.16	165
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	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	52.5	52.5	< 0.005	0.01	0.02	55.0

3.29. Linear, Drainage, Utilities, & Sub-Grade (2035) - Unmitigated

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

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

Off-Road	9.16	7.68	54.6	89.2	0.22	1.86	—	1.86	1.71	—	1.71	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	9.16	7.68	54.6	89.2	0.22	1.86	—	1.86	1.71	—	1.71	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	6.54	5.48	39.0	63.7	0.16	1.33	—	1.33	1.22	—	1.22	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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	1.19	1.00	7.12	11.6	0.03	0.24	—	0.24	0.22	—	0.22	—	2,692	2,692	0.11	0.02	—	2,701

Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.72	0.70	0.33	4.95	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,386	1,386	0.03	0.02	2.68	1,395
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	0.03	0.01	0.61	0.25	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	433	433	0.02	0.07	0.37	454
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.70	0.41	5.06	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,358	1,358	0.04	0.02	0.07	1,364
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	0.03	0.01	0.64	0.25	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	433	433	0.02	0.07	0.01	454
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.50	0.28	3.51	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	971	971	0.02	0.01	0.83	976
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	0.02	0.01	0.45	0.18	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	309	309	0.01	0.05	0.11	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.05	0.64	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	161	161	< 0.005	< 0.005	0.14	162
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	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	51.2	51.2	< 0.005	0.01	0.02	53.7

3.31. Linear, Paving (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.36	2.83	26.1	42.9	0.06	0.79	—	0.79	0.73	—	0.73	—	6,475	6,475	0.26	0.05	—	6,498
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	3.36	2.83	26.1	42.9	0.06	0.79	—	0.79	0.73	—	0.73	—	6,475	6,475	0.26	0.05	—	6,498
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	2.40	2.02	18.6	30.6	0.04	0.57	—	0.57	0.52	—	0.52	—	4,625	4,625	0.19	0.04	—	4,641
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	0.44	0.37	3.40	5.59	0.01	0.10	—	0.10	0.10	—	0.10	—	766	766	0.03	0.01	—	768
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	0.79	0.73	0.41	5.65	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,297	1,297	0.04	0.06	3.75	1,320
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.80	0.73	0.47	5.83	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,271	1,271	0.04	0.06	0.10	1,291
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.52	0.33	4.03	0.00	0.00	1.00	1.00	0.00	0.24	0.24	—	909	909	0.03	0.04	1.16	923
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	0.10	0.09	0.06	0.74	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.19	153
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

3.33. Linear, Paving (2032) - Unmitigated

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

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

Off-Road Equipm	3.25	2.73	25.6	42.8	0.06	0.75	—	0.75	0.69	—	0.69	—	6,475	6,475	0.26	0.05	—	6,498
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	3.25	2.73	25.6	42.8	0.06	0.75	—	0.75	0.69	—	0.69	—	6,475	6,475	0.26	0.05	—	6,498
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	2.33	1.96	18.4	30.6	0.04	0.53	—	0.53	0.49	—	0.49	—	4,638	4,638	0.19	0.04	—	4,654
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	0.43	0.36	3.35	5.59	0.01	0.10	—	0.10	0.09	—	0.09	—	768	768	0.03	0.01	—	771
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	0.76	0.70	0.40	5.28	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,277	1,277	0.04	0.06	3.38	1,300
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.70	0.42	5.42	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,251	1,251	0.04	0.06	0.09	1,270
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.50	0.30	3.79	0.00	0.00	1.01	1.01	0.00	0.24	0.24	—	897	897	0.03	0.04	1.04	912
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	0.10	0.09	0.05	0.69	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	149	149	< 0.005	0.01	0.17	151
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

3.35. Linear, Paving (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	2.64	25.3	42.7	0.06	0.69	—	0.69	0.63	—	0.63	—	6,475	6,475	0.26	0.05	—	6,498
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-Roa Equipment	3.14	2.64	25.3	42.7	0.06	0.69	—	0.69	0.63	—	0.63	—	6,475	6,475	0.26	0.05	—	6,498
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-Roa d Equipm ent	2.24	1.88	18.1	30.5	0.04	0.49	—	0.49	0.45	—	0.45	—	4,625	4,625	0.19	0.04	—	4,641
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-Roa d Equipm ent	0.41	0.34	3.30	5.56	0.01	0.09	—	0.09	0.08	—	0.08	—	766	766	0.03	0.01	—	768
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	0.72	0.67	0.35	4.96	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,259	1,259	0.03	0.02	3.02	1,268
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.68	0.41	5.12	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,234	1,234	0.04	0.06	0.08	1,252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.52	0.47	0.29	3.54	0.00	0.00	1.00	1.00	0.00	0.24	0.24	—	882	882	0.03	0.04	0.93	896
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	0.09	0.09	0.05	0.65	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.15	148
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

3.37. Linear, Paving (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.03	2.55	25.1	42.6	0.06	0.65	—	0.65	0.60	—	0.60	—	6,475	6,475	0.26	0.05	—	6,498
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	3.03	2.55	25.1	42.6	0.06	0.65	—	0.65	0.60	—	0.60	—	6,475	6,475	0.26	0.05	—	6,498
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	2.17	1.82	17.9	30.4	0.04	0.46	—	0.46	0.43	—	0.43	—	4,625	4,625	0.19	0.04	—	4,641
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	0.40	0.33	3.27	5.55	0.01	0.08	—	0.08	0.08	—	0.08	—	766	766	0.03	0.01	—	768
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	0.65	0.63	0.30	4.64	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,242	1,242	0.03	0.02	2.69	1,250
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.64	0.37	4.77	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,217	1,217	0.04	0.06	0.07	1,236
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.45	0.25	3.30	0.00	0.00	1.00	1.00	0.00	0.24	0.24	—	870	870	0.03	0.04	0.83	884
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	0.08	0.08	0.05	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	144	144	< 0.005	0.01	0.14	146
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

3.39. Linear, Paving (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.92	2.45	24.7	42.5	0.06	0.57	—	0.57	0.53	—	0.53	—	6,475	6,475	0.26	0.05	—	6,498
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	2.92	2.45	24.7	42.5	0.06	0.57	—	0.57	0.53	—	0.53	—	6,475	6,475	0.26	0.05	—	6,498
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	2.08	1.75	17.6	30.3	0.04	0.41	—	0.41	0.38	—	0.38	—	4,625	4,625	0.19	0.04	—	4,641
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 Equipm	0.38	0.32	3.22	5.54	0.01	0.07	—	0.07	0.07	—	0.07	—	766	766	0.03	0.01	—	768
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	0.63	0.62	0.30	4.38	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,226	1,226	0.03	0.02	2.37	1,234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.62	0.36	4.48	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,201	1,201	0.04	0.02	0.06	1,207
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.44	0.25	3.10	0.00	0.00	1.00	1.00	0.00	0.24	0.24	—	859	859	0.02	0.01	0.73	864
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	0.08	0.08	0.05	0.57	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	142	142	< 0.005	< 0.005	0.12	143
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

3.41. Demolition (2030) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.09	18.1	18.7	0.03	0.72	—	0.72	0.66	—	0.66	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.44	0.44	—	0.07	0.07	—	—	—	—	—	—	—
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	0.44	0.37	3.18	3.27	0.01	0.13	—	0.13	0.12	—	0.12	—	601	601	0.02	< 0.005	—	603
Demolition	—	—	—	—	—	—	0.08	0.08	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.58	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.5	99.5	< 0.005	< 0.005	—	99.8
Demolition	—	—	—	—	—	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.41	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	84.3	84.3	< 0.005	< 0.005	0.01	85.6
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	0.16	0.04	3.20	0.92	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,791	2,791	0.12	0.44	0.10	2,926
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
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	0.03	0.01	0.57	0.16	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	489	489	0.02	0.08	0.30	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.49
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	0.01	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	81.0	81.0	< 0.005	0.01	0.05	85.0

3.43. Site Preparation (2030) - Unmitigated

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

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

Off-Road Equipment	3.47	2.92	25.2	28.4	0.05	1.07	—	1.07	0.98	—	0.98	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.61	0.51	4.42	4.99	0.01	0.19	—	0.19	0.17	—	0.17	—	929	929	0.04	0.01	—	932
Dust From Material Movement	—	—	—	—	—	—	1.34	1.34	—	0.69	0.69	—	—	—	—	—	—	—
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	0.11	0.09	0.81	0.91	< 0.005	0.03	—	0.03	0.03	—	0.03	—	154	154	0.01	< 0.005	—	154
Dust From Material Movement	—	—	—	—	—	—	0.25	0.25	—	0.13	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.48	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.01	99.9
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	0.43	0.12	8.58	2.48	0.05	0.10	2.12	2.22	0.10	0.59	0.70	—	7,493	7,493	0.32	1.19	0.28	7,857
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	17.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.53	0.43	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,314	1,314	0.06	0.21	0.81	1,378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.90
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	0.01	< 0.005	0.28	0.08	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.13	228

3.45. Grading (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.23	2.72	21.7	26.9	0.06	0.88	—	0.88	0.81	—	0.81	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	6.75	6.75	—	1.90	1.90	—	—	—	—	—	—	—

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	3.23	2.72	21.7	26.9	0.06	0.88	—	0.88	0.81	—	0.81	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	6.75	6.75	—	1.90	1.90	—	—	—	—	—	—	—
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	1.60	1.34	10.7	13.2	0.03	0.44	—	0.44	0.40	—	0.40	—	3,253	3,253	0.13	0.03	—	3,264
Dust From Material Movement	—	—	—	—	—	—	3.33	3.33	—	0.94	0.94	—	—	—	—	—	—	—
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	0.29	0.24	1.95	2.42	0.01	0.08	—	0.08	0.07	—	0.07	—	539	539	0.02	< 0.005	—	540
Dust From Material Movement	—	—	—	—	—	—	0.61	0.61	—	0.17	0.17	—	—	—	—	—	—	—
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	0.07	0.07	0.04	0.53	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.36	117
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	14.5	6.63	247	111	1.05	1.75	35.8	37.6	1.75	10.0	11.8	—	137,257	137,257	7.33	21.8	181	144,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.54	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	112	112	< 0.005	0.01	0.01	114
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	13.8	6.11	255	114	1.05	1.75	35.8	37.6	1.75	10.0	11.8	—	137,464	137,464	7.33	22.0	4.69	144,205
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.5	55.5	< 0.005	< 0.005	0.08	56.3
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	6.97	3.18	125	55.3	0.52	0.86	17.4	18.3	0.86	4.90	5.76	—	67,731	67,731	3.62	10.8	38.5	71,066
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.18	9.18	< 0.005	< 0.005	0.01	9.33
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	1.27	0.58	22.9	10.1	0.09	0.16	3.18	3.34	0.16	0.89	1.05	—	11,214	11,214	0.60	1.78	6.38	11,766

3.47. Building Construction (2030) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	108	108	< 0.005	< 0.005	—	108
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	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.9	17.9	< 0.005	< 0.005	—	17.9
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	2.64	2.43	1.65	19.6	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	4,058	4,058	0.14	0.20	0.34	4,122
Vendor	0.18	0.10	3.70	1.68	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,514	2,514	0.08	0.36	0.11	2,624
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.12	0.11	0.07	0.86	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	0.01	0.01	0.25	186
Vendor	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.08	118
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	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.04	30.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6
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

3.49. Building Construction (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.49	2.31	1.29	17.8	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	4,074	4,074	0.11	0.19	11.8	4,145
Vendor	0.19	0.10	3.43	1.55	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,429	2,429	0.08	0.36	3.59	2,542
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	2.51	2.31	1.49	18.3	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,991	3,991	0.13	0.20	0.31	4,055
Vendor	0.18	0.10	3.56	1.61	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,432	2,432	0.08	0.36	0.09	2,542
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	1.77	1.62	1.04	12.7	0.00	0.00	3.15	3.15	0.00	0.74	0.74	—	2,854	2,854	0.09	0.13	3.64	2,900
Vendor	0.13	0.07	2.53	1.13	0.01	0.01	0.50	0.51	0.01	0.14	0.15	—	1,736	1,736	0.06	0.26	1.11	1,815
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	0.32	0.30	0.19	2.31	0.00	0.00	0.58	0.58	0.00	0.13	0.13	—	472	472	0.02	0.02	0.60	480
Vendor	0.02	0.01	0.46	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	287	287	0.01	0.04	0.18	301

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

3.51. Building Construction (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
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 Equipm	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
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	2.38	2.19	1.25	16.6	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	4,012	4,012	0.11	0.19	10.6	4,081
Vendor	0.17	0.09	3.31	1.51	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,347	2,347	0.08	0.34	3.05	2,455
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	2.40	2.19	1.32	17.0	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,930	3,930	0.13	0.19	0.27	3,989
Vendor	0.16	0.08	3.43	1.54	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,350	2,350	0.08	0.34	0.08	2,455
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	1.69	1.56	0.93	11.9	0.00	0.00	3.16	3.16	0.00	0.74	0.74	—	2,818	2,818	0.08	0.13	3.27	2,863
Vendor	0.12	0.06	2.44	1.09	0.01	0.01	0.50	0.52	0.01	0.14	0.15	—	1,682	1,682	0.06	0.25	0.95	1,758
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	0.31	0.28	0.17	2.17	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	466	466	0.01	0.02	0.54	474
Vendor	0.02	0.01	0.44	0.20	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	279	279	0.01	0.04	0.16	291
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

3.53. Building Construction (2033) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.27	2.10	1.10	15.6	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,954	3,954	0.10	0.05	9.50	3,980
Vendor	0.17	0.09	3.18	1.44	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,268	2,268	0.06	0.34	2.62	2,373
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	2.32	2.13	1.30	16.1	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,874	3,874	0.11	0.19	0.25	3,933
Vendor	0.16	0.08	3.29	1.50	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,271	2,271	0.06	0.34	0.07	2,375
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	1.63	1.49	0.91	11.1	0.00	0.00	3.15	3.15	0.00	0.74	0.74	—	2,770	2,770	0.08	0.13	2.93	2,815
Vendor	0.12	0.06	2.33	1.05	0.01	0.01	0.50	0.51	0.01	0.14	0.15	—	1,621	1,621	0.04	0.24	0.81	1,696
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	0.30	0.27	0.17	2.03	0.00	0.00	0.58	0.58	0.00	0.13	0.13	—	459	459	0.01	0.02	0.49	466
Vendor	0.02	0.01	0.43	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	268	268	0.01	0.04	0.13	281
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

3.55. Building Construction (2034) - Unmitigated

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

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

Off-Road Equipm	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.04	1.99	0.94	14.6	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,900	3,900	0.10	0.05	8.44	3,925
Vendor	0.15	0.08	3.06	1.40	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,191	2,191	0.06	0.32	2.22	2,291
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	2.05	2.00	1.15	15.0	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,821	3,821	0.11	0.19	0.22	3,880
Vendor	0.14	0.08	3.17	1.45	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,195	2,195	0.06	0.32	0.06	2,293
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	1.45	1.42	0.80	10.4	0.00	0.00	3.15	3.15	0.00	0.74	0.74	—	2,732	2,732	0.08	0.13	2.60	2,777
Vendor	0.10	0.06	2.25	1.02	0.01	0.01	0.50	0.51	0.01	0.14	0.15	—	1,566	1,566	0.04	0.23	0.68	1,636
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	0.27	0.26	0.15	1.89	0.00	0.00	0.58	0.58	0.00	0.13	0.13	—	452	452	0.01	0.02	0.43	460
Vendor	0.02	0.01	0.41	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	259	259	0.01	0.04	0.11	271
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

3.57. Building Construction (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	5.24	9.06	0.02	0.13	—	0.13	0.12	—	0.12	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.96	1.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.99	1.96	0.93	13.8	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,851	3,851	0.10	0.05	7.45	3,875
Vendor	0.14	0.08	2.96	1.38	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,118	2,118	0.06	0.32	1.88	2,217
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	2.00	1.96	1.13	14.1	0.00	0.00	4.49	4.49	0.00	1.05	1.05	—	3,773	3,773	0.11	0.05	0.19	3,790
Vendor	0.14	0.08	3.08	1.40	0.02	0.02	0.71	0.73	0.02	0.20	0.22	—	2,121	2,121	0.06	0.32	0.05	2,219
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	1.43	1.40	0.78	9.74	0.00	0.00	3.15	3.15	0.00	0.74	0.74	—	2,698	2,698	0.07	0.03	2.30	2,712
Vendor	0.10	0.06	2.18	0.98	0.01	0.01	0.50	0.51	0.01	0.14	0.15	—	1,514	1,514	0.04	0.23	0.58	1,584
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	0.26	0.25	0.14	1.78	0.00	0.00	0.58	0.58	0.00	0.13	0.13	—	447	447	0.01	0.01	0.38	449
Vendor	0.02	0.01	0.40	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	251	251	0.01	0.04	0.10	262
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

3.59. Paving (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	6.28	9.90	0.01	0.22	—	0.22	0.20	—	0.20	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.28	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.41	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	84.3	84.3	< 0.005	< 0.005	0.01	85.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.80	3.80	< 0.005	< 0.005	0.01	3.86
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	< 0.005	0.64
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

3.61. Paving (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	6.13	9.88	0.01	0.21	—	0.21	0.19	—	0.19	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.75	0.63	6.13	9.88	0.01	0.21	—	0.21	0.19	—	0.19	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.53	0.45	4.38	7.06	0.01	0.15	—	0.15	0.14	—	0.14	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.13	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.80	1.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	179

Paving	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	0.05	0.05	0.03	0.37	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	84.6	84.6	< 0.005	< 0.005	0.24	86.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.38	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.9	82.9	< 0.005	< 0.005	0.01	84.2
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.26	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	59.3	59.3	< 0.005	< 0.005	0.08	60.2
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	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	0.01	9.97
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

3.63. Paving (2032) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	6.00	9.86	0.01	0.20	—	0.20	0.18	—	0.18	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.72	0.61	6.00	9.86	0.01	0.20	—	0.20	0.18	—	0.18	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.52	0.44	4.30	7.06	0.01	0.14	—	0.14	0.13	—	0.13	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.13	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.78	1.29	< 0.005	0.03	—	0.03	0.02	—	0.02	—	179	179	0.01	< 0.005	—	180
Paving	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	0.05	0.05	0.03	0.34	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.3	83.3	< 0.005	< 0.005	0.22	84.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.35	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.6	81.6	< 0.005	< 0.005	0.01	82.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	58.5	58.5	< 0.005	< 0.005	0.07	59.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.69	9.69	< 0.005	< 0.005	0.01	9.84
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

3.65. Paving (2033) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.59	5.91	9.84	0.01	0.18	—	0.18	0.17	—	0.17	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.70	0.59	5.91	9.84	0.01	0.18	—	0.18	0.17	—	0.17	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.50	0.42	4.22	7.03	0.01	0.13	—	0.13	0.12	—	0.12	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.13	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.77	1.28	< 0.005	0.02	—	0.02	0.02	—	0.02	—	179	179	0.01	< 0.005	—	179
Paving	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	0.05	0.04	0.02	0.32	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.1	82.1	< 0.005	< 0.005	0.20	82.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	80.4	80.4	< 0.005	< 0.005	0.01	81.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.5	57.5	< 0.005	< 0.005	0.06	58.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.52	9.52	< 0.005	< 0.005	0.01	9.68
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

3.67. Paving (2034) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.58	5.86	9.82	0.01	0.18	—	0.18	0.16	—	0.16	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.68	0.58	5.86	9.82	0.01	0.18	—	0.18	0.16	—	0.16	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.49	0.41	4.18	7.02	0.01	0.13	—	0.13	0.12	—	0.12	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.13	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.76	1.28	< 0.005	0.02	—	0.02	0.02	—	0.02	—	179	179	0.01	< 0.005	—	179
Paving	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	0.04	0.04	0.02	0.30	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.0	81.0	< 0.005	< 0.005	0.18	81.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.31	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	79.4	79.4	< 0.005	< 0.005	< 0.005	80.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.22	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	56.7	56.7	< 0.005	< 0.005	0.05	57.7
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	0.01	0.01	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.39	9.39	< 0.005	< 0.005	0.01	9.55
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

3.69. Paving (2035) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.55	5.73	9.80	0.01	0.15	—	0.15	0.14	—	0.14	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.65	0.55	5.73	9.80	0.01	0.15	—	0.15	0.14	—	0.14	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.46	0.39	4.09	7.00	0.01	0.11	—	0.11	0.10	—	0.10	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.13	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.75	1.28	< 0.005	0.02	—	0.02	0.02	—	0.02	—	179	179	0.01	< 0.005	—	179
Paving	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	0.04	0.04	0.02	0.29	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	80.0	80.0	< 0.005	< 0.005	0.15	80.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.29	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.3	78.3	< 0.005	< 0.005	< 0.005	78.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.20	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	56.0	56.0	< 0.005	< 0.005	0.05	56.3
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	0.01	0.01	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.28	9.28	< 0.005	< 0.005	0.01	9.32
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

3.71. Architectural Coating (2030) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.01	6.01	< 0.005	< 0.005	—	6.03
Architectural Coatings	0.75	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	0.99	0.99	< 0.005	< 0.005	—	1.00
Architectural Coatings	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.53	0.49	0.33	3.92	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	812	812	0.03	0.04	0.07	824
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.6	36.6	< 0.005	< 0.005	0.05	37.1
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.05	6.05	< 0.005	< 0.005	0.01	6.15
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

3.73. Architectural Coating (2031) - Unmitigated

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

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

Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipm	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.17	2.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.50	0.46	0.26	3.55	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	815	815	0.02	0.04	2.36	829
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.46	0.30	3.66	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	798	798	0.03	0.04	0.06	811
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.32	0.21	2.53	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	571	571	0.02	0.03	0.73	580
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	0.06	0.06	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	94.5	94.5	< 0.005	< 0.005	0.12	96.0
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

3.75. Architectural Coating (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9

Architect Coatings	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	2.17	2.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.48	0.44	0.25	3.32	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	802	802	0.02	0.04	2.12	816
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.44	0.26	3.40	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	786	786	0.03	0.04	0.05	798
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.19	2.38	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	564	564	0.02	0.03	0.65	573
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	0.06	0.06	0.03	0.43	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	93.3	93.3	< 0.005	< 0.005	0.11	94.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. Architectural Coating (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.17	2.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.45	0.42	0.22	3.12	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	791	791	0.02	0.01	1.90	796
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.43	0.26	3.21	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	775	775	0.02	0.04	0.05	787
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.18	2.22	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	554	554	0.02	0.03	0.59	563
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	0.06	0.05	0.03	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	91.7	91.7	< 0.005	< 0.005	0.10	93.2
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

3.79. Architectural Coating (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipm	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.17	2.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.40	0.19	2.91	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	780	780	0.02	0.01	1.69	785

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.23	2.99	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	764	764	0.02	0.04	0.04	776
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.28	0.16	2.07	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	546	546	0.02	0.03	0.52	555
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	0.05	0.05	0.03	0.38	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	90.5	90.5	< 0.005	< 0.005	0.09	91.9
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

3.81. Architectural Coating (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.6	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.06	0.54	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8

Architectural Coating	2.17	2.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.40	0.39	0.19	2.75	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	770	770	0.02	0.01	1.49	775
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.23	2.81	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	755	755	0.02	0.01	0.04	758
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.28	0.16	1.95	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	540	540	0.01	0.01	0.46	542
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	0.05	0.05	0.03	0.36	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	89.3	89.3	< 0.005	< 0.005	0.08	89.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	1/1/2031	12/31/2035	5.00	1,304	—
Linear, Grading & Excavation	Linear, Grading & Excavation	1/1/2031	12/31/2035	5.00	1,304	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	1/1/2031	12/31/2035	5.00	1,304	—
Linear, Paving	Linear, Paving	1/1/2031	12/31/2035	5.00	1,304	—
Demolition	Demolition	1/1/2030	3/31/2030	5.00	64.0	Demolition
Site Preparation	Site Preparation	1/1/2030	3/31/2030	5.00	64.0	Including remediation
Grading	Grading	4/1/2030	12/8/2030	5.00	180	36 weeks
Building Construction	Building Construction	12/9/2030	12/31/2035	5.00	1,321	—
Paving	Paving	12/9/2030	12/31/2035	5.00	1,321	—
Architectural Coating	Architectural Coating	12/9/2030	12/31/2035	5.00	1,321	—

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
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	4.00	8.00	36.0	0.38

Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	64.0	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	8.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Grading & Excavation	Signal Boards	Electric	Average	64.0	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Back hoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	4.00	8.00	14.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	4.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	4.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	64.0	8.00	6.00	0.82

Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Paving	Signal Boards	Electric	Average	64.0	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	8.80	LDA,LDT1,LDT2
Demolition	Vendor	—	5.30	HHDT,MHDT
Demolition	Hauling	7.94	110	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	8.80	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	21.3	110	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2
Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	7,917	5.00	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	722	8.80	LDA,LDT1,LDT2
Building Construction	Vendor	160	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	144	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	180	8.80	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	5.30	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	280	8.80	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	4.00	5.30	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	260	8.80	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	5.30	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	15.0	10.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	230	8.80	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	5.30	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT

Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	5,510,910	1,836,970	30,750	10,250	45,137

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)
Linear, Grubbing & Land Clearing	0.00	0.00	77.7	0.00	—
Linear, Grading & Excavation	0.00	0.00	77.7	0.00	—
Linear, Drainage, Utilities, & Sub-Grade	12,320	144,000	77.7	0.00	—
Demolition	0.00	0.00	0.00	2,032	—
Site Preparation	0.00	10,907	96.0	0.00	—
Grading	11,400,900	11,400,900	540	0.00	—
Paving	0.00	0.00	0.00	0.00	105

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Condo/Townhouse	—	0%
Single Family Housing	2.47	0%
Single Family Housing	0.68	0%
Single Family Housing	0.58	0%
Single Family Housing	1.69	0%
Single Family Housing	1.30	0%
Single Family Housing	0.44	0%
Single Family Housing	1.15	0%
Single Family Housing	0.60	0%
Single Family Housing	0.91	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Retirement Community	—	0%
Single Family Housing	0.61	0%
Single Family Housing	0.00	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%

Office Park	0.00	0%
Elementary School	0.00	0%
Government Office Building	0.00	0%
Health Club	0.00	0%
City Park	0.00	0%
Road Construction	33.1	100%
Road Construction	6.90	100%
City Park	0.00	0%
General Office Building	0.00	0%
Government Office Building	0.00	0%
City Park	0.00	0%
General Light Industry	0.00	0%
City Park	0.00	0%
Parking Lot	17.3	100%
Road Construction	36.4	100%
Road Construction	1.35	100%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	0.00	0.00	0.00
2031	7,514	0.00	0.00	0.00
2032	7,514	0.00	0.00	0.00
2033	7,514	0.00	0.00	0.00
2034	7,514	0.00	0.00	0.00
2035	7,514	0.00	0.00	0.00

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
Grazing	Entisols	241	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Grassland	241	0.00

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.53	annual days of extreme heat
Extreme Precipitation	4.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	62.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	11.7
AQ-PM	8.00
AQ-DPM	8.70
Drinking Water	64.8
Lead Risk Housing	12.1
Pesticides	97.3
Toxic Releases	9.03
Traffic	9.21
Effect Indicators	—
CleanUp Sites	83.9
Groundwater	100

Haz Waste Facilities/Generators	96.5
Impaired Water Bodies	99.2
Solid Waste	83.5
Sensitive Population	—
Asthma	48.0
Cardio-vascular	15.8
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	63.0
Housing	5.01
Linguistic	45.4
Poverty	28.6
Unemployment	26.9

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	61.45258565
Employed	61.79905043
Median HI	72.86025921
Education	—
Bachelor's or higher	63.26190171
High school enrollment	17.87501604
Preschool enrollment	28.78224047
Transportation	—
Auto Access	70.20402926
Active commuting	84.53740536

Social	—
2-parent households	98.29334018
Voting	97.60041062
Neighborhood	—
Alcohol availability	93.08353651
Park access	5.646092647
Retail density	1.065058386
Supermarket access	18.22148082
Tree canopy	80.45682022
Housing	—
Homeownership	79.5970743
Housing habitability	80.75195688
Low-inc homeowner severe housing cost burden	44.56563583
Low-inc renter severe housing cost burden	90.87642756
Uncrowded housing	62.10701912
Health Outcomes	—
Insured adults	38.59874246
Arthritis	0.0
Asthma ER Admissions	56.5
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	44.8
Cognitively Disabled	52.2
Physically Disabled	27.7

Heart Attack ER Admissions	79.8
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	3.6
SLR Inundation Area	0.0
Children	87.0
Elderly	8.4
English Speaking	73.6
Foreign-born	32.0
Outdoor Workers	3.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.3
Traffic Density	8.8
Traffic Access	0.0
Other Indices	—
Hardship	31.5
Other Decision Support	—
2016 Voting	88.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	73.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Assumed 100% renewable solar and wind from Central Coast Community Energy (3CE).
Land Use	Per available project data.
Operations: Hearths	Per available project data.
Operations: Energy Use	Based on available project data. Residential units do not use any natural gas. Therefore, the total natural gas usage initially predicted by CalEEMOD for each residential land use was converted from kBTU/yr into kWh/yr and then added to the total electricity usage initially predicted by CalEEMOD for each residential land use.
Operations: Water and Waste Water	Per available project data.
Operations: Solid Waste	Per available project data.
Construction: Construction Phases	Based on available project data.

Construction: Trips and VMT	Based on available project data.
Construction: Electricity	Based on 100% renewable energy from solar and wind.

Solomon Hills - Construction Phase 2 Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Solomon Hills - Construction Phase 2
Construction Start Date	1/1/2036
Lead Agency	Santa Barbara County Planning and Development
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.827445, -120.377753
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Central Coast Community Energy
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	01. MF Attached
Condo/Townhouse	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	02. MF Attached

Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	03. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	04. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	05. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	06. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	07. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	08. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	09. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	10. SF Detached
Single Family Housing	80.0	Dwelling Unit	17.2	260,000	308,699	0.00	231	11. SF Detached
Single Family Housing	54.0	Dwelling Unit	14.3	202,500	261,709	0.00	156	12. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	13. SF Detached
Retirement Community	300	Dwelling Unit	24.0	450,000	297,720	0.00	660	14. MF Attached
Single Family Housing	195	Dwelling Unit	17.6	341,250	211,614	0.00	429	15. SF Detached
Single Family Housing	100	Dwelling Unit	12.7	210,000	224,106	0.00	220	16. SF Detached
Apartments Low Rise	22.0	Dwelling Unit	0.86	14,300	15,208	0.00	64.0	17. MF IHP RHNA Low
Apartments Mid Rise	13.0	Dwelling Unit	0.57	10,400	9,858	0.00	38.0	18. MF IHP RHNA Med
Apartments Mid Rise	35.0	Dwelling Unit	0.93	33,250	11,888	0.00	101	19. MF IHP RHNA High
Strip Mall	15.0	1000sqft	0.34	15,000	11,550	5,227	—	20. Retail

Office Park	25.0	1000sqft	0.57	25,000	12,833	7,467	—	21. Office
Elementary School	0.00	1000sqft	0.00	0.00	0.00	0.00	—	22. School
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	23. Police/Fire
Health Club	0.00	1000sqft	0.00	0.00	0.00	0.00	—	24. Fitness Center
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	25. Parks
Road Construction	3.00	Mile	24.8	0.00	0.00	—	—	26. Roads Onsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	27. CalTrans ROW
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	28. Basins
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	29. Cell Tower
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	30. Water Reclamation Plant
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	31. Water Storage
General Light Industry	0.00	1000sqft	0.00	0.00	0.00	0.00	—	32. Sewer Lift Station
City Park	85.0	Acre	85.0	0.00	3,147,210	462,075	—	33. Private Slopes
Parking Lot	1.17	Acre	1.17	0.00	0.00	0.00	—	34. Parking
Road Construction	2.00	Mile	14.5	0.00	0.00	—	—	35. Roads Offsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	36. Utility Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	37. Storm Water Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	38. Recreational Improvements Offsite

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	45.6	41.5	306	297	1.52	4.94	58.0	61.0	4.54	16.1	19.1	—	169,396	169,396	6.10	25.6	118	177,285
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.6	41.5	318	298	1.52	4.94	58.0	61.0	4.54	16.1	19.1	—	169,739	169,739	6.10	25.6	3.04	177,513
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.0	29.1	128	210	0.50	3.26	16.2	19.3	3.00	3.58	6.43	—	57,393	57,393	2.18	3.57	8.49	58,518
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.83	5.32	23.4	38.4	0.09	0.60	2.95	3.51	0.55	0.65	1.17	—	9,502	9,502	0.36	0.59	1.41	9,688

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	45.6	41.5	306	297	1.52	4.94	58.0	61.0	4.54	16.1	19.1	—	169,396	169,396	6.10	25.6	118	177,285
2037	44.8	40.8	158	294	0.59	4.57	16.2	20.8	4.20	2.57	6.77	—	67,335	67,335	2.62	0.74	8.27	67,629
2038	44.2	40.3	153	291	0.59	4.29	16.2	20.5	3.95	2.57	6.52	—	67,253	67,253	2.61	0.73	7.12	67,542

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	45.6	41.5	318	298	1.52	4.94	58.0	61.0	4.54	16.1	19.1	—	169,739	169,739	6.10	25.6	3.04	177,513
2037	44.8	40.8	158	295	0.59	4.57	16.2	20.8	4.20	2.57	6.77	—	67,236	67,236	2.64	0.74	0.21	67,523
2038	44.2	40.3	153	292	0.59	4.29	16.2	20.5	3.95	2.57	6.52	—	67,155	67,155	2.63	0.73	0.18	67,438
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	26.8	23.6	128	181	0.50	3.07	16.2	19.3	2.85	3.58	6.43	—	57,393	57,393	2.18	3.57	8.49	58,518
2037	32.0	29.1	113	210	0.42	3.26	11.5	14.8	3.00	1.82	4.82	—	48,029	48,029	1.89	0.53	2.55	48,236
2038	31.6	28.8	109	208	0.42	3.07	11.5	14.6	2.82	1.82	4.64	—	47,971	47,971	1.86	0.52	2.20	48,175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	4.90	4.31	23.4	33.1	0.09	0.56	2.95	3.51	0.52	0.65	1.17	—	9,502	9,502	0.36	0.59	1.41	9,688
2037	5.83	5.32	20.6	38.4	0.08	0.60	2.10	2.70	0.55	0.33	0.88	—	7,952	7,952	0.31	0.09	0.42	7,986
2038	5.76	5.25	19.9	38.0	0.08	0.56	2.10	2.66	0.52	0.33	0.85	—	7,942	7,942	0.31	0.09	0.36	7,976

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2036) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	0.92	9.19	13.5	0.02	0.30	—	0.30	0.27	—	0.27	—	1,964	1,964	0.08	0.02	—	1,970

Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	0.92	9.19	13.5	0.02	0.30	—	0.30	0.27	—	0.27	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.58	0.49	4.89	7.20	0.01	0.16	—	0.16	0.15	—	0.15	—	1,045	1,045	0.04	0.01	—	1,049
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.89	1.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	173	173	0.01	< 0.005	—	174

Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	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	0.12	0.12	0.06	0.81	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.41	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.06	0.82	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	232	232	0.01	< 0.005	0.01	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.43	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.09	124
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	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.02	20.6
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

3.3. Linear, Grubbing & Land Clearing (2037) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	0.89	8.94	13.5	0.02	0.27	—	0.27	0.25	—	0.25	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	0.89	8.94	13.5	0.02	0.27	—	0.27	0.25	—	0.25	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.76	0.64	6.38	9.65	0.01	0.19	—	0.19	0.18	—	0.18	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—

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	0.14	0.12	1.17	1.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.11	0.11	0.05	0.77	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	235	235	< 0.005	< 0.005	0.36	236
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.78	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	230	230	0.01	< 0.005	0.01	231
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.54	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	0.11	165
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	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	27.2	27.2	< 0.005	< 0.005	0.02	27.3

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

3.5. Linear, Grubbing & Land Clearing (2038) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.87	8.67	13.5	0.02	0.24	—	0.24	0.22	—	0.22	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.87	8.67	13.5	0.02	0.24	—	0.24	0.22	—	0.22	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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-Roa Equipment	0.74	0.62	6.19	9.63	0.01	0.17	—	0.17	0.16	—	0.16	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.13	1.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.11	0.11	0.05	0.73	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	232	232	< 0.005	< 0.005	0.31	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	0.74	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	227	227	0.01	< 0.005	0.01	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.52	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	0.10	163

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	0.01	0.01	0.01	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	26.9	26.9	< 0.005	< 0.005	0.02	27.1
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

3.7. Linear, Grading & Excavation (2036) - 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	10.3	8.61	61.8	111	0.24	2.03	—	2.03	1.87	—	1.87	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.3	8.61	61.8	111	0.24	2.03	—	2.03	1.87	—	1.87	—	25,976	25,976	1.05	0.21	—	26,065

Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.46	4.58	32.9	59.3	0.13	1.08	—	1.08	1.00	—	1.00	—	13,827	13,827	0.56	0.11	—	13,874
Dust From Material Movement	—	—	—	—	—	—	2.64	2.64	—	0.29	0.29	—	—	—	—	—	—	—
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	1.00	0.84	6.00	10.8	0.02	0.20	—	0.20	0.18	—	0.18	—	2,289	2,289	0.09	0.02	—	2,297
Dust From Material Movement	—	—	—	—	—	—	0.48	0.48	—	0.05	0.05	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.38	0.18	2.60	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	764	764	0.02	0.01	1.32	769
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	51.2	51.2	< 0.005	0.01	0.04	53.5
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.38	0.20	2.65	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	748	748	0.02	0.01	0.03	752
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	51.3	51.3	< 0.005	0.01	< 0.005	53.6
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	0.21	0.20	0.10	1.38	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	399	399	0.01	0.01	0.30	401
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.5
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.25	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	66.0	66.0	< 0.005	< 0.005	0.05	66.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.51	4.51	< 0.005	< 0.005	< 0.005	4.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Linear, Grading & Excavation (2037) - 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	9.94	8.36	58.9	110	0.24	1.87	—	1.87	1.72	—	1.72	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.94	8.36	58.9	110	0.24	1.87	—	1.87	1.72	—	1.72	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.10	5.97	42.1	78.9	0.17	1.34	—	1.34	1.23	—	1.23	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.30	1.09	7.68	14.4	0.03	0.24	—	0.24	0.22	—	0.22	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.37	0.36	0.15	2.47	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	756	756	0.02	0.01	1.15	760
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	49.7	49.7	< 0.005	0.01	0.03	52.0
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.37	0.19	2.50	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	740	740	0.02	0.01	0.03	744
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	49.8	49.8	< 0.005	0.01	< 0.005	52.0
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.14	1.75	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	529	529	0.01	0.01	0.35	532
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.5	35.5	< 0.005	0.01	0.01	37.1
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	0.05	0.05	0.02	0.32	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	87.6	87.6	< 0.005	< 0.005	0.06	88.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.88	5.88	< 0.005	< 0.005	< 0.005	6.15
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. Linear, Grading & Excavation (2038) - 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	9.73	8.17	56.7	109	0.24	1.75	—	1.75	1.61	—	1.61	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.73	8.17	56.7	109	0.24	1.75	—	1.75	1.61	—	1.61	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.95	5.84	40.5	78.1	0.17	1.25	—	1.25	1.15	—	1.15	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.27	1.07	7.39	14.3	0.03	0.23	—	0.23	0.21	—	0.21	—	3,072	3,072	0.12	0.02	—	3,082

Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.35	0.35	0.15	2.35	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	748	748	0.02	0.01	0.99	753
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.3	48.3	< 0.005	0.01	0.03	50.4
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	0.19	2.40	0.00	0.00	0.90	0.90	0.00	0.21	0.21	—	733	733	0.02	0.01	0.03	736
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.4	48.4	< 0.005	0.01	< 0.005	50.5
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	0.13	1.66	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	524	524	0.01	0.01	0.31	527
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.5	34.5	< 0.005	0.01	0.01	36.0
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	0.05	0.05	0.02	0.30	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	86.8	86.8	< 0.005	< 0.005	0.05	87.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.71	5.71	< 0.005	< 0.005	< 0.005	5.97
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. Linear, Drainage, Utilities, & Sub-Grade (2036) - 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	8.95	7.50	52.3	88.8	0.22	1.76	—	1.76	1.62	—	1.62	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.95	7.50	52.3	88.8	0.22	1.76	—	1.76	1.62	—	1.62	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	4.76	3.99	27.8	47.3	0.12	0.94	—	0.94	0.86	—	0.86	—	12,115	12,115	0.49	0.10	—	12,156
Dust From Material Movement	—	—	—	—	—	—	2.20	2.20	—	0.24	0.24	—	—	—	—	—	—	—

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	0.87	0.73	5.08	8.63	0.02	0.17	—	0.17	0.16	—	0.16	—	2,006	2,006	0.08	0.02	—	2,013
Dust From Material Movement	—	—	—	—	—	—	0.40	0.40	—	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	0.34	0.33	0.16	2.24	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	659	659	0.01	0.01	1.13	663
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.17	2.28	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	645	645	0.02	0.01	0.03	648
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.09	1.19	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	344	344	0.01	< 0.005	0.26	346
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	0.03	0.03	0.02	0.22	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	56.9	56.9	< 0.005	< 0.005	0.04	57.2

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

3.15. Linear, Drainage, Utilities, & Sub-Grade (2037) - 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	8.71	7.29	49.9	87.9	0.22	1.66	—	1.66	1.53	—	1.53	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.71	7.29	49.9	87.9	0.22	1.66	—	1.66	1.53	—	1.53	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	6.22	5.21	35.7	62.8	0.16	1.19	—	1.19	1.09	—	1.09	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.95	2.95	—	0.32	0.32	—	—	—	—	—	—	—
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	1.13	0.95	6.51	11.5	0.03	0.22	—	0.22	0.20	—	0.20	—	2,692	2,692	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.32	0.31	0.13	2.13	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	652	652	0.01	0.01	0.99	655
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.32	0.17	2.16	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	638	638	0.02	0.01	0.03	641
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.12	1.51	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.30	459

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	0.04	0.04	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	75.6	75.6	< 0.005	< 0.005	0.05	75.9
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

3.17. Linear, Drainage, Utilities, & Sub-Grade (2038) - 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	8.56	7.17	48.2	86.9	0.22	1.60	—	1.60	1.47	—	1.47	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.56	7.17	48.2	86.9	0.22	1.60	—	1.60	1.47	—	1.47	—	22,760	22,760	0.92	0.18	—	22,838

Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	6.11	5.12	34.5	62.1	0.16	1.14	—	1.14	1.05	—	1.05	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.95	2.95	—	0.32	0.32	—	—	—	—	—	—	—
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	1.12	0.93	6.29	11.3	0.03	0.21	—	0.21	0.19	—	0.19	—	2,692	2,692	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.31	0.30	0.13	2.02	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	645	645	0.01	0.01	0.86	649
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.31	0.16	2.07	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	632	632	0.02	0.01	0.02	635
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	452	452	0.01	0.01	0.27	454
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	0.04	0.04	0.02	0.26	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	74.8	74.8	< 0.005	< 0.005	0.04	75.2
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

3.19. Linear, Paving (2036) - 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	2.84	2.39	24.3	42.4	0.06	0.52	—	0.52	0.48	—	0.48	—	6,475	6,475	0.26	0.05	—	6,498
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-Roa Equipment	2.84	2.39	24.3	42.4	0.06	0.52	—	0.52	0.48	—	0.48	—	6,475	6,475	0.26	0.05	—	6,498
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	1.51	1.27	12.9	22.6	0.03	0.28	—	0.28	0.25	—	0.25	—	3,447	3,447	0.14	0.03	—	3,459
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	0.28	0.23	2.36	4.12	0.01	0.05	—	0.05	0.05	—	0.05	—	571	571	0.02	< 0.005	—	573
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	0.26	0.25	0.12	1.70	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	501	501	0.01	0.01	0.86	504
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	0.13	1.73	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	490	490	0.01	0.01	0.02	493
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.14	0.13	0.07	0.90	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	261	261	0.01	< 0.005	0.20	263
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	0.02	0.02	0.01	0.16	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	43.3	43.3	< 0.005	< 0.005	0.03	43.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Linear, Paving (2037) - 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	2.76	2.32	23.9	42.4	0.06	0.47	—	0.47	0.43	—	0.43	—	6,475	6,475	0.26	0.05	—	6,498
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	2.76	2.32	23.9	42.4	0.06	0.47	—	0.47	0.43	—	0.43	—	6,475	6,475	0.26	0.05	—	6,498
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	1.97	1.66	17.1	30.3	0.04	0.33	—	0.33	0.31	—	0.31	—	4,625	4,625	0.19	0.04	—	4,641
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	0.36	0.30	3.12	5.52	0.01	0.06	—	0.06	0.06	—	0.06	—	766	766	0.03	0.01	—	768
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	0.24	0.24	0.10	1.62	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	495	495	0.01	0.01	0.75	498
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.24	0.13	1.64	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	485	485	0.01	0.01	0.02	487
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.15	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	347	347	0.01	< 0.005	0.23	349
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	0.03	0.03	0.02	0.21	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	57.4	57.4	< 0.005	< 0.005	0.04	57.7
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. Linear, Paving (2038) - 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	2.69	2.26	23.5	42.3	0.06	0.42	—	0.42	0.39	—	0.39	—	6,475	6,475	0.26	0.05	—	6,498
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	2.69	2.26	23.5	42.3	0.06	0.42	—	0.42	0.39	—	0.39	—	6,475	6,475	0.26	0.05	—	6,498
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	1.92	1.61	16.8	30.2	0.04	0.30	—	0.30	0.28	—	0.28	—	4,625	4,625	0.19	0.04	—	4,641
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 Equipm	0.35	0.29	3.07	5.51	0.01	0.06	—	0.06	0.05	—	0.05	—	766	766	0.03	0.01	—	768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.10	1.54	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	490	490	0.01	0.01	0.65	493
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.12	1.57	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	480	480	0.01	0.01	0.02	482
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.09	1.09	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	343	343	0.01	< 0.005	0.20	345
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	0.03	0.03	0.02	0.20	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	56.9	56.9	< 0.005	< 0.005	0.03	57.1
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

3.25. Demolition (2036) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	1.67	13.4	14.1	0.03	0.44	—	0.44	0.41	—	0.41	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.07	0.07	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.84	0.89	< 0.005	0.03	—	0.03	0.03	—	0.03	—	216	216	0.01	< 0.005	—	217
Demolition	—	—	—	—	—	—	< 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	0.02	0.02	0.15	0.16	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	35.7	35.7	< 0.005	< 0.005	—	35.9
Demolition	—	—	—	—	—	—	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	77.4	77.4	< 0.005	< 0.005	< 0.005	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.43	0.11	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	400	400	0.01	0.06	0.01	419
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.88	4.88	< 0.005	< 0.005	< 0.005	4.91
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	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.2	25.2	< 0.005	< 0.005	0.01	26.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.81
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.17	4.17	< 0.005	< 0.005	< 0.005	4.37

3.27. Site Preparation (2036) - 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	2.79	2.35	18.0	21.7	0.05	0.67	—	0.67	0.62	—	0.62	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.18	0.15	1.13	1.37	< 0.005	0.04	—	0.04	0.04	—	0.04	—	334	334	0.01	< 0.005	—	335
Dust From Material Movement	—	—	—	—	—	—	0.48	0.48	—	0.25	0.25	—	—	—	—	—	—	—
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	0.03	0.03	0.21	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55.3	55.3	< 0.005	< 0.005	—	55.4
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.05	0.05	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	90.3	90.3	< 0.005	< 0.005	< 0.005	90.7
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	0.05	0.01	1.13	0.30	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,057	1,057	0.03	0.17	0.02	1,107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.70	5.70	< 0.005	< 0.005	< 0.005	5.73
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	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.6	66.6	< 0.005	0.01	0.02	69.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.6

3.29. Grading (2036) - 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	2.71	2.28	15.9	24.1	0.06	0.58	—	0.58	0.53	—	0.53	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	7.99	7.99	—	2.09	2.09	—	—	—	—	—	—	—

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	2.71	2.28	15.9	24.1	0.06	0.58	—	0.58	0.53	—	0.53	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	7.99	7.99	—	2.09	2.09	—	—	—	—	—	—	—
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	0.33	0.28	1.96	2.97	0.01	0.07	—	0.07	0.07	—	0.07	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.98	0.98	—	0.26	0.26	—	—	—	—	—	—	—
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	0.36	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.05	0.05	—	—	—	—	—	—	—
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.36	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.18	106
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	15.8	8.26	290	141	1.46	2.43	49.9	52.3	2.43	14.0	16.4	—	162,694	162,694	5.83	25.5	117	170,560
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.37	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	103	103	< 0.005	< 0.005	< 0.005	104
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	14.8	7.29	302	144	1.46	2.43	49.9	52.3	2.43	14.0	16.4	—	163,039	163,039	5.83	25.5	3.04	170,791
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	1.92	0.96	36.9	17.5	0.18	0.30	6.07	6.37	0.30	1.70	2.00	—	20,076	20,076	0.72	3.15	6.25	21,038
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.12
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	0.35	0.17	6.74	3.20	0.03	0.05	1.11	1.16	0.05	0.31	0.37	—	3,324	3,324	0.12	0.52	1.04	3,483

3.31. Building Construction (2036) - 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	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.79	6.71	0.01	0.09	—	0.09	0.08	—	0.08	—	1,276	1,276	0.05	0.01	—	1,280
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	0.10	0.08	0.69	1.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	211	211	0.01	< 0.005	—	212
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	1.16	1.15	0.55	7.77	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,285	2,285	0.05	0.03	3.93	2,298
Vendor	0.08	0.05	1.65	0.77	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,177	1,177	0.03	0.17	0.91	1,231
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	1.17	1.15	0.59	7.92	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,238	2,238	0.06	0.03	0.10	2,248
Vendor	0.08	0.04	1.70	0.79	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,179	1,179	0.03	0.17	0.02	1,232
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	0.62	0.61	0.30	4.13	0.00	0.00	1.41	1.41	0.00	0.33	0.33	—	1,193	1,193	0.03	0.02	0.90	1,199
Vendor	0.04	0.03	0.90	0.41	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	627	627	0.02	0.09	0.21	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.05	0.75	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	197	197	0.01	< 0.005	0.15	198
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	104	104	< 0.005	0.02	0.03	108
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

3.33. Building Construction (2037) - 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	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.70	0.58	4.99	8.93	0.02	0.11	—	0.11	0.10	—	0.10	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	0.91	1.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.09	0.46	7.38	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,260	2,260	0.05	0.03	3.43	2,273
Vendor	0.08	0.05	1.59	0.75	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,142	1,142	0.03	0.17	0.76	1,195
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	1.12	1.10	0.58	7.49	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,214	2,214	0.06	0.03	0.09	2,224
Vendor	0.08	0.05	1.66	0.78	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,144	1,144	0.03	0.17	0.02	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.78	0.77	0.40	5.25	0.00	0.00	1.89	1.89	0.00	0.44	0.44	—	1,583	1,583	0.04	0.02	1.06	1,591
Vendor	0.06	0.03	1.17	0.55	0.01	0.01	0.29	0.30	0.01	0.08	0.09	—	816	816	0.02	0.12	0.23	854
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	0.14	0.14	0.07	0.96	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	262	262	0.01	< 0.005	0.17	263
Vendor	0.01	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	0.04	141
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

3.35. Building Construction (2038) - 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	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.69	0.58	4.92	8.90	0.02	0.11	—	0.11	0.10	—	0.10	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.90	1.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	1.05	0.45	7.02	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,238	2,238	0.05	0.03	2.97	2,251
Vendor	0.07	0.05	1.55	0.73	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,110	1,110	0.02	0.16	0.62	1,160
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	1.08	1.06	0.57	7.17	0.00	0.00	2.70	2.70	0.00	0.63	0.63	—	2,192	2,192	0.06	0.03	0.08	2,202
Vendor	0.07	0.05	1.62	0.75	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,112	1,112	0.02	0.16	0.02	1,161
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	0.76	0.75	0.40	4.96	0.00	0.00	1.89	1.89	0.00	0.44	0.44	—	1,568	1,568	0.03	0.02	0.92	1,575
Vendor	0.05	0.03	1.14	0.53	0.01	0.01	0.29	0.30	0.01	0.08	0.09	—	793	793	0.01	0.12	0.19	829
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	0.14	0.14	0.07	0.91	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	260	260	0.01	< 0.005	0.15	261
Vendor	0.01	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	131	131	< 0.005	0.02	0.03	137

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

3.37. Paving (2036) - 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	5.62	9.78	0.01	0.14	—	0.14	0.13	—	0.13	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.63	0.53	5.62	9.78	0.01	0.14	—	0.14	0.13	—	0.13	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	2.99	5.21	0.01	0.07	—	0.07	0.07	—	0.07	—	804	804	0.03	0.01	—	807
Paving	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	0.06	0.05	0.55	0.95	< 0.005	0.01	—	0.01	0.01	—	0.01	—	133	133	0.01	< 0.005	—	134
Paving	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	0.04	0.04	0.02	0.27	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	79.0	79.0	< 0.005	< 0.005	0.14	79.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	77.4	77.4	< 0.005	< 0.005	< 0.005	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.14	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.3	41.3	< 0.005	< 0.005	0.03	41.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.83	6.83	< 0.005	< 0.005	0.01	6.87
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

3.39. Paving (2037) - 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	0.61	0.51	5.50	9.77	0.01	0.12	—	0.12	0.11	—	0.11	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.61	0.51	5.50	9.77	0.01	0.12	—	0.12	0.11	—	0.11	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.44	0.37	3.93	6.98	0.01	0.09	—	0.09	0.08	—	0.08	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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-Roa Equipment	0.08	0.07	0.72	1.27	< 0.005	0.02	—	0.02	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	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	0.04	0.04	0.02	0.26	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.2	78.2	< 0.005	< 0.005	0.12	78.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.26	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	76.6	76.6	< 0.005	< 0.005	< 0.005	76.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.18	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	54.8	54.8	< 0.005	< 0.005	0.04	55.0
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.07	9.07	< 0.005	< 0.005	0.01	9.11
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

3.41. Paving (2038) - 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	0.59	0.50	5.38	9.76	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.59	0.50	5.38	9.76	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.42	0.36	3.84	6.97	0.01	0.08	—	0.08	0.07	—	0.07	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.70	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	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	0.04	0.04	0.02	0.24	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	77.4	77.4	< 0.005	< 0.005	0.10	77.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.25	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.8	75.8	< 0.005	< 0.005	< 0.005	76.2
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.17	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	54.2	54.2	< 0.005	< 0.005	0.03	54.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.98	8.98	< 0.005	< 0.005	0.01	9.02
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

3.43. Architectural Coating (2036) - 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	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.06	0.05	0.40	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.1	71.1	< 0.005	< 0.005	—	71.3
Architectural Coatings	9.55	9.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.8
Architectural Coatings	1.74	1.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.11	1.55	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	457	457	0.01	0.01	0.79	460
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.12	1.58	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	448	448	0.01	0.01	0.02	450
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.06	0.83	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	239	239	0.01	< 0.005	0.18	240
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	0.02	0.02	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.5	39.5	< 0.005	< 0.005	0.03	39.7
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

3.45. Architectural Coating (2037) - 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	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7

Architect Coatings	12.8	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.34	2.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.22	0.09	1.48	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	452	452	0.01	0.01	0.69	455
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.12	1.50	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	443	443	0.01	0.01	0.02	445
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.08	1.05	0.00	0.00	0.38	0.38	0.00	0.09	0.09	—	317	317	0.01	< 0.005	0.21	318
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	0.03	0.03	0.01	0.19	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	52.4	52.4	< 0.005	< 0.005	0.03	52.7
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

3.47. Architectural Coating (2038) - 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	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	17.9	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	12.8	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.34	2.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.09	1.40	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	448	448	0.01	0.01	0.59	450
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.21	0.11	1.43	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	438	438	0.01	0.01	0.02	440
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.08	0.99	0.00	0.00	0.38	0.38	0.00	0.09	0.09	—	314	314	0.01	< 0.005	0.18	315
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	0.03	0.03	0.01	0.18	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	51.9	51.9	< 0.005	< 0.005	0.03	52.2
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

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	4/4/2036	12/31/2038	5.00	716	—
Linear, Grading & Excavation	Linear, Grading & Excavation	4/4/2036	12/31/2038	5.00	716	—

Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	4/4/2036	12/31/2038	5.00	716	—
Linear, Paving	Linear, Paving	4/4/2036	12/31/2038	5.00	716	—
Demolition	Demolition	1/1/2036	1/31/2036	5.00	23.0	Demolition
Site Preparation	Site Preparation	1/1/2036	1/31/2036	5.00	23.0	Including remediation
Grading	Grading	2/1/2036	4/3/2036	5.00	45.0	9 weeks
Building Construction	Building Construction	4/4/2036	12/31/2038	5.00	716	—
Paving	Paving	4/4/2036	12/31/2038	5.00	716	—
Architectural Coating	Architectural Coating	4/4/2036	12/31/2038	5.00	716	—

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
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	10.0	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	8.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Average	8.00	8.00	423	0.48

Linear, Grading & Excavation	Signal Boards	Electric	Average	10.0	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	4.00	8.00	14.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	4.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	4.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	10.0	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Paving	Signal Boards	Electric	Average	10.0	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	8.80	LDA,LDT1,LDT2
Demolition	Vendor	—	5.30	HHDT,MHDT
Demolition	Hauling	1.35	110	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	8.80	LDA,LDT1,LDT2

Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	3.57	110	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2
Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	11,021	5.00	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	434	8.80	LDA,LDT1,LDT2
Building Construction	Vendor	92.0	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	86.7	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	45.0	8.80	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	5.30	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT

Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	145	8.80	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	4.00	5.30	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	125	8.80	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	5.30	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	95.0	8.80	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	5.30	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,081,443	1,027,148	60,000	20,000	3,058

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)
Linear, Grubbing & Land Clearing	0.00	0.00	39.4	0.00	—
Linear, Grading & Excavation	0.00	0.00	39.4	0.00	—
Linear, Drainage, Utilities, & Sub-Grade	0.00	0.00	39.4	0.00	—
Demolition	0.00	0.00	0.00	122	—
Site Preparation	0.00	654	34.5	0.00	—
Grading	3,967,681	3,967,681	135	0.00	—
Paving	0.00	0.00	0.00	0.00	45.3

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Condo/Townhouse	—	0%
Single Family Housing	0.00	0%

Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.88	0%
Single Family Housing	0.60	0%
Single Family Housing	0.00	0%
Retirement Community	—	0%
Single Family Housing	2.15	0%
Single Family Housing	1.10	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Office Park	0.00	0%
Elementary School	0.00	0%
Government Office Building	0.00	0%
Health Club	0.00	0%
City Park	0.00	0%
Road Construction	24.8	100%
Road Construction	0.00	100%
City Park	0.00	0%
General Office Building	0.00	0%
Government Office Building	0.00	0%
City Park	0.00	0%

General Light Industry	0.00	0%
City Park	0.00	0%
Parking Lot	1.17	100%
Road Construction	14.5	100%
Road Construction	0.00	100%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2036	1,174	0.00	0.00	0.00
2037	1,174	0.00	0.00	0.00
2038	1,174	0.00	0.00	0.00

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
Grazing	Entisols	115	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Grassland	115	0.00

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.53	annual days of extreme heat
Extreme Precipitation	4.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	62.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	11.7
AQ-PM	8.00
AQ-DPM	8.70
Drinking Water	64.8
Lead Risk Housing	12.1
Pesticides	97.3
Toxic Releases	9.03
Traffic	9.21
Effect Indicators	—
CleanUp Sites	83.9
Groundwater	100
Haz Waste Facilities/Generators	96.5
Impaired Water Bodies	99.2
Solid Waste	83.5
Sensitive Population	—
Asthma	48.0
Cardio-vascular	15.8
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	63.0
Housing	5.01
Linguistic	45.4
Poverty	28.6
Unemployment	26.9

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	61.45258565
Employed	61.79905043
Median HI	72.86025921
Education	—
Bachelor's or higher	63.26190171
High school enrollment	17.87501604
Preschool enrollment	28.78224047
Transportation	—
Auto Access	70.20402926
Active commuting	84.53740536
Social	—
2-parent households	98.29334018
Voting	97.60041062
Neighborhood	—
Alcohol availability	93.08353651
Park access	5.646092647
Retail density	1.065058386
Supermarket access	18.22148082
Tree canopy	80.45682022
Housing	—
Homeownership	79.5970743
Housing habitability	80.75195688
Low-inc homeowner severe housing cost burden	44.56563583
Low-inc renter severe housing cost burden	90.87642756

Uncrowded housing	62.10701912
Health Outcomes	—
Insured adults	38.59874246
Arthritis	0.0
Asthma ER Admissions	56.5
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	44.8
Cognitively Disabled	52.2
Physically Disabled	27.7
Heart Attack ER Admissions	79.8
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	3.6
SLR Inundation Area	0.0

Children	87.0
Elderly	8.4
English Speaking	73.6
Foreign-born	32.0
Outdoor Workers	3.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.3
Traffic Density	8.8
Traffic Access	0.0
Other Indices	—
Hardship	31.5
Other Decision Support	—
2016 Voting	88.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	73.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Assumed 100% renewable solar and wind from Central Coast Community Energy (3CE).
Land Use	Per available project data.
Operations: Hearths	Per available project data.
Operations: Energy Use	Based on available project data. Residential units do not use any natural gas. Therefore, the total natural gas usage initially predicted by CalEEMOD for each residential land use was converted from kBTU/yr into kWh/yr and then added to the total electricity usage initially predicted by CalEEMOD for each residential land use.
Operations: Water and Waste Water	Per available project data.
Operations: Solid Waste	Per available project data.
Construction: Construction Phases	Based on available project data.
Construction: Trips and VMT	Based on available project data.
Construction: Electricity	Based on 100% renewable energy from solar and wind.
Construction: Dust From Material Movement	Based on available project data.

Solomon Hills - Construction Phase 3 Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Solomon Hills - Construction Phase 3
Construction Start Date	1/1/2039
Lead Agency	Santa Barbara County Planning and Development
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.827445, -120.377753
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Central Coast Community Energy
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	305	Dwelling Unit	17.0	538,935	234,862	0.00	881	01. MF Attached
Condo/Townhouse	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	02. MF Attached

Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	03. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	04. SF Detached
Single Family Housing	152	Dwelling Unit	20.1	273,600	369,240	0.00	439	05. SF Detached
Single Family Housing	224	Dwelling Unit	28.3	436,800	506,787	0.00	648	06. SF Detached
Single Family Housing	143	Dwelling Unit	16.7	300,300	287,691	0.00	413	07. SF Detached
Single Family Housing	153	Dwelling Unit	22.0	336,600	395,845	0.00	442	08. SF Detached
Single Family Housing	130	Dwelling Unit	23.1	312,000	425,259	0.00	376	09. SF Detached
Single Family Housing	155	Dwelling Unit	29.7	418,500	543,096	0.00	448	10. SF Detached
Single Family Housing	65.0	Dwelling Unit	13.9	211,250	250,818	0.00	188	11. SF Detached
Single Family Housing	97.0	Dwelling Unit	25.8	363,750	470,107	0.00	280	12. SF Detached
Single Family Housing	39.0	Dwelling Unit	15.4	157,950	295,925	0.00	113	13. SF Detached
Retirement Community	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	14. MF Attached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	15. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	16. SF Detached
Apartments Low Rise	45.0	Dwelling Unit	1.76	29,250	31,107	0.00	130	17. MF IHP RHNA Low
Apartments Mid Rise	27.0	Dwelling Unit	1.19	21,600	20,475	0.00	78.0	18. MF IHP RHNA Med
Apartments Mid Rise	73.0	Dwelling Unit	1.93	69,350	24,796	0.00	211	19. MF IHP RHNA High
Strip Mall	30.0	1000sqft	0.69	30,000	23,100	10,454	—	20. Retail

Office Park	130	1000sqft	2.98	130,000	66,734	38,831	—	21. Office
Elementary School	110	1000sqft	2.53	110,000	214,315	0.00	—	22. School
Government Office Building	10.0	1000sqft	0.23	10,000	19,166	0.00	—	23. Police/Fire
Health Club	0.00	1000sqft	0.00	0.00	0.00	0.00	—	24. Fitness Center
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	25. Parks
Road Construction	3.00	Mile	24.8	0.00	0.00	—	—	26. Roads Onsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	27. CalTrans ROW
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	28. Basins
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	29. Cell Tower
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	30. Water Reclamation Plant
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	31. Water Storage
General Light Industry	0.00	1000sqft	0.00	0.00	0.00	0.00	—	32. Sewer Lift Station
City Park	94.8	Acre	94.8	0.00	3,510,065	515,349	—	33. Private Slopes
Parking Lot	17.1	Acre	17.1	0.00	0.00	0.00	—	34. Parking
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	35. Roads Offsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	36. Utility Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	37. Storm Water Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	38. Recreational Improvements Offsite

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	51.1	47.3	224	296	1.18	4.12	45.4	47.8	3.79	12.7	15.0	—	124,720	124,720	3.63	18.7	60.5	130,455
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51.2	47.3	151	296	0.60	4.12	19.6	23.7	3.79	4.16	7.17	—	70,815	70,815	2.68	0.98	0.25	71,175
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.3	33.4	112	210	0.52	2.84	20.0	21.8	2.62	5.44	7.18	—	56,975	56,975	1.92	6.18	9.22	58,871
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.62	6.09	20.4	38.3	0.10	0.52	3.65	3.98	0.48	0.99	1.31	—	9,433	9,433	0.32	1.02	1.53	9,747

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2039	51.1	47.3	224	296	1.18	4.12	45.4	47.8	3.79	12.7	15.0	—	124,720	124,720	3.63	18.7	60.5	130,455
2040	50.7	46.6	148	293	0.60	3.97	19.6	23.6	3.66	3.38	7.03	—	70,835	70,835	2.65	0.98	8.06	71,202
2041	50.3	46.3	145	291	0.60	3.83	19.6	23.4	3.52	3.38	6.90	—	70,725	70,725	2.65	0.96	6.86	71,083
2042	50.0	45.9	143	288	0.60	3.70	19.6	23.3	3.40	3.38	6.78	—	70,626	70,626	2.65	0.96	5.83	70,983

2043	49.4	45.7	141	287	0.60	3.53	19.6	23.1	3.25	3.38	6.62	—	70,537	70,537	2.65	0.96	4.91	70,893
2044	49.0	45.4	139	285	0.60	3.40	19.6	23.0	3.13	3.38	6.50	—	70,459	70,459	2.62	0.93	4.16	70,805
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2039	51.2	47.3	151	296	0.60	4.12	19.6	23.7	3.79	4.16	7.17	—	70,815	70,815	2.68	0.98	0.25	71,175
2040	50.7	46.6	148	294	0.60	3.97	19.6	23.6	3.66	3.38	7.03	—	70,696	70,696	2.68	0.98	0.21	71,055
2041	50.3	46.3	145	291	0.60	3.83	19.6	23.4	3.52	3.38	6.90	—	70,586	70,586	2.68	0.96	0.18	70,938
2042	49.9	46.0	143	289	0.60	3.70	19.6	23.3	3.40	3.38	6.78	—	70,488	70,488	2.65	0.96	0.15	70,839
2043	49.4	45.7	141	287	0.60	3.53	19.6	23.1	3.25	3.38	6.62	—	70,400	70,400	2.65	0.96	0.13	70,751
2044	49.1	45.4	139	285	0.60	3.40	19.6	23.0	3.13	3.38	6.50	—	70,323	70,323	2.65	0.93	0.11	70,666
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2039	16.4	13.8	112	112	0.52	1.84	20.0	21.8	1.74	5.44	7.18	—	56,975	56,975	1.81	6.18	9.22	58,871
2040	36.3	33.4	106	210	0.43	2.84	13.9	16.8	2.62	2.39	5.01	—	50,638	50,638	1.92	0.70	2.49	50,898
2041	35.9	33.0	104	208	0.43	2.73	13.9	16.6	2.52	2.38	4.90	—	50,422	50,422	1.89	0.68	2.11	50,675
2042	35.7	32.8	102	206	0.43	2.64	13.9	16.5	2.43	2.38	4.81	—	50,352	50,352	1.89	0.68	1.79	50,605
2043	35.3	32.6	101	205	0.43	2.52	13.9	16.4	2.32	2.38	4.70	—	50,289	50,289	1.89	0.68	1.52	50,541
2044	35.1	32.5	99.4	204	0.43	2.43	13.9	16.3	2.24	2.39	4.63	—	50,371	50,371	1.90	0.67	1.29	50,618
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2039	3.00	2.53	20.4	20.5	0.10	0.34	3.65	3.98	0.32	0.99	1.31	—	9,433	9,433	0.30	1.02	1.53	9,747
2040	6.62	6.09	19.3	38.3	0.08	0.52	2.54	3.06	0.48	0.44	0.91	—	8,384	8,384	0.32	0.12	0.41	8,427
2041	6.55	6.03	18.9	37.9	0.08	0.50	2.53	3.03	0.46	0.43	0.89	—	8,348	8,348	0.31	0.11	0.35	8,390
2042	6.52	5.99	18.7	37.6	0.08	0.48	2.53	3.01	0.44	0.43	0.88	—	8,336	8,336	0.31	0.11	0.30	8,378
2043	6.44	5.95	18.4	37.4	0.08	0.46	2.53	2.99	0.42	0.43	0.86	—	8,326	8,326	0.31	0.11	0.25	8,368
2044	6.41	5.94	18.1	37.2	0.08	0.44	2.54	2.98	0.41	0.44	0.84	—	8,340	8,340	0.31	0.11	0.21	8,380

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2039) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	8.39	13.5	0.02	0.22	—	0.22	0.21	—	0.21	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	8.39	13.5	0.02	0.22	—	0.22	0.21	—	0.21	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.23	0.19	1.87	3.00	< 0.005	0.05	—	0.05	0.05	—	0.05	—	438	438	0.02	< 0.005	—	440

Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	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	0.04	0.03	0.34	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.5	72.5	< 0.005	< 0.005	—	72.8
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.54	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.21	180
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	175	175	< 0.005	< 0.005	0.01	176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.4
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	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	< 0.005	6.52
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

3.3. Linear, Grubbing & Land Clearing (2040) - 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	0.99	0.83	8.22	13.5	0.02	0.21	—	0.21	0.19	—	0.19	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.99	0.83	8.22	13.5	0.02	0.21	—	0.21	0.19	—	0.19	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

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	0.71	0.60	5.89	9.64	0.01	0.15	—	0.15	0.14	—	0.14	—	1,406	1,406	0.06	0.01	—	1,411
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.07	1.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	233	233	0.01	< 0.005	—	234
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.08	0.07	0.04	0.52	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	178	178	< 0.005	< 0.005	0.18	179
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.04	0.52	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	< 0.005	175

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.36	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	125	125	< 0.005	< 0.005	0.06	125
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	0.01	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Linear, Grubbing & Land Clearing (2041) - 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	0.98	0.82	8.10	13.5	0.02	0.20	—	0.20	0.19	—	0.19	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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-Roa Equipment	0.98	0.82	8.10	13.5	0.02	0.20	—	0.20	0.19	—	0.19	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.70	0.59	5.79	9.61	0.01	0.14	—	0.14	0.13	—	0.13	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.06	1.75	< 0.005	0.03	—	0.03	0.02	—	0.02	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.07	0.06	0.03	0.50	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	176	176	< 0.005	< 0.005	0.15	177
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.50	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	173	173	< 0.005	< 0.005	< 0.005	173
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	123	123	< 0.005	< 0.005	0.05	124
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	0.01	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Linear, Grubbing & Land Clearing (2042) - 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	0.97	0.82	8.04	13.5	0.02	0.19	—	0.19	0.18	—	0.18	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

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	0.97	0.82	8.04	13.5	0.02	0.19	—	0.19	0.18	—	0.18	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.70	0.59	5.75	9.61	0.01	0.14	—	0.14	0.13	—	0.13	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.05	1.75	< 0.005	0.03	—	0.03	0.02	—	0.02	—	232	232	0.01	< 0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.07	0.06	0.03	0.48	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	175	175	< 0.005	< 0.005	0.13	176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.49	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	172	172	< 0.005	< 0.005	< 0.005	172
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.34	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	123	123	< 0.005	< 0.005	0.04	123
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	0.01	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.3	20.3	< 0.005	< 0.005	0.01	20.4
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

3.9. Linear, Grubbing & Land Clearing (2043) - 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	0.96	0.81	7.95	13.4	0.02	0.18	—	0.18	0.17	—	0.17	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.96	0.81	7.95	13.4	0.02	0.18	—	0.18	0.17	—	0.17	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.58	5.68	9.60	0.01	0.13	—	0.13	0.12	—	0.12	—	1,403	1,403	0.06	0.01	—	1,407
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.04	1.75	< 0.005	0.02	—	0.02	0.02	—	0.02	—	232	232	0.01	< 0.005	—	233

Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.06	0.06	0.03	0.47	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.11	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.48	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	171	171	< 0.005	< 0.005	< 0.005	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.33	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	122	122	< 0.005	< 0.005	0.03	123
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	0.01	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.2	20.2	< 0.005	< 0.005	0.01	20.3
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

3.11. Linear, Grubbing & Land Clearing (2044) - 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	0.95	0.80	7.89	13.4	0.02	0.17	—	0.17	0.16	—	0.16	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.95	0.80	7.89	13.4	0.02	0.17	—	0.17	0.16	—	0.16	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.68	0.57	5.65	9.63	0.01	0.12	—	0.12	0.11	—	0.11	—	1,406	1,406	0.06	0.01	—	1,411
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.06	0.06	—	—	—	—	—	—	—

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	0.12	0.10	1.03	1.76	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.01	< 0.005	—	234
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	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	0.06	0.06	0.03	0.46	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	173	173	< 0.005	< 0.005	0.09	174
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.47	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	< 0.005	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.32	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	122	122	< 0.005	< 0.005	0.03	122
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	20.1	20.1	< 0.005	< 0.005	< 0.005	20.2

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

3.13. Linear, Grading & Excavation (2039) - 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	9.53	8.01	54.6	108	0.24	1.67	—	1.67	1.53	—	1.53	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.53	8.01	54.6	108	0.24	1.67	—	1.67	1.53	—	1.53	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	2.13	1.79	12.2	24.1	0.05	0.37	—	0.37	0.34	—	0.34	—	5,795	5,795	0.24	0.05	—	5,815
Dust From Material Movement	—	—	—	—	—	—	1.11	1.11	—	0.12	0.12	—	—	—	—	—	—	—
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	0.39	0.33	2.22	4.40	0.01	0.07	—	0.07	0.06	—	0.06	—	959	959	0.04	0.01	—	963
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	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	0.31	0.30	0.14	2.07	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	690	690	0.01	0.01	0.80	694
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	47.0	47.0	< 0.005	0.01	0.02	49.2
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.31	0.15	2.11	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	676	676	0.01	0.01	0.02	679
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	47.1	47.1	< 0.005	0.01	< 0.005	49.2
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.03	0.46	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	151	151	< 0.005	< 0.005	0.08	152

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	< 0.005	11.0
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	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.0	25.0	< 0.005	< 0.005	0.01	25.1
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
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. Linear, Grading & Excavation (2040) - 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	9.39	7.89	53.1	107	0.24	1.60	—	1.60	1.47	—	1.47	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.39	7.89	53.1	107	0.24	1.60	—	1.60	1.47	—	1.47	—	25,976	25,976	1.05	0.21	—	26,065

Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.73	5.65	38.0	76.8	0.17	1.15	—	1.15	1.05	—	1.05	—	18,605	18,605	0.75	0.15	—	18,669
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.23	1.03	6.94	14.0	0.03	0.21	—	0.21	0.19	—	0.19	—	3,080	3,080	0.12	0.02	—	3,091
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.29	0.26	0.14	1.99	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	685	685	0.01	0.01	0.69	689
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.9	45.9	< 0.005	0.01	0.02	48.0
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.15	2.02	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	671	671	0.01	0.01	0.02	674
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.9	45.9	< 0.005	0.01	< 0.005	48.1
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.10	1.40	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	481	481	0.01	0.01	0.21	483
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.9	32.9	< 0.005	0.01	0.01	34.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.26	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	79.6	79.6	< 0.005	< 0.005	0.04	80.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.44	5.44	< 0.005	< 0.005	< 0.005	5.70
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. Linear, Grading & Excavation (2041) - 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	9.29	7.80	52.0	106	0.24	1.54	—	1.54	1.42	—	1.42	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.29	7.80	52.0	106	0.24	1.54	—	1.54	1.42	—	1.42	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.63	5.57	37.2	76.0	0.17	1.10	—	1.10	1.01	—	1.01	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.21	1.02	6.78	13.9	0.03	0.20	—	0.20	0.18	—	0.18	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.28	0.25	0.11	1.91	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	680	680	0.01	0.01	0.59	684
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.8	44.8	< 0.005	0.01	0.01	46.8
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.25	0.14	1.94	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	666	666	0.01	0.01	0.02	669
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.9	44.9	< 0.005	0.01	< 0.005	46.9
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.10	1.34	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	476	476	0.01	0.01	0.18	479
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.0	32.0	< 0.005	< 0.005	< 0.005	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	0.04	0.03	0.02	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	78.9	78.9	< 0.005	< 0.005	0.03	79.2
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	< 0.005	5.54
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. Linear, Grading & Excavation (2042) - 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	9.20	7.73	51.1	106	0.24	1.48	—	1.48	1.36	—	1.36	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.20	7.73	51.1	106	0.24	1.48	—	1.48	1.36	—	1.36	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.57	5.52	36.5	75.4	0.17	1.06	—	1.06	0.97	—	0.97	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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	1.20	1.01	6.66	13.8	0.03	0.19	—	0.19	0.18	—	0.18	—	3,072	3,072	0.12	0.02	—	3,082

Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.11	1.84	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	676	676	0.01	0.01	0.50	679
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.8	43.8	< 0.005	0.01	0.01	45.8
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.14	1.89	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	662	662	0.01	0.01	0.01	665
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.9	43.9	< 0.005	0.01	< 0.005	45.9
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.10	1.31	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	473	473	0.01	0.01	0.15	476
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.3	31.3	< 0.005	< 0.005	< 0.005	32.8
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	0.04	0.03	0.02	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	78.4	78.4	< 0.005	< 0.005	0.03	78.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.19	5.19	< 0.005	< 0.005	< 0.005	5.42
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. Linear, Grading & Excavation (2043) - 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	9.10	7.65	50.2	105	0.24	1.41	—	1.41	1.30	—	1.30	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.10	7.65	50.2	105	0.24	1.41	—	1.41	1.30	—	1.30	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.50	5.46	35.8	75.2	0.17	1.01	—	1.01	0.93	—	0.93	—	18,554	18,554	0.75	0.15	—	18,618
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—

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	1.19	1.00	6.54	13.7	0.03	0.18	—	0.18	0.17	—	0.17	—	3,072	3,072	0.12	0.02	—	3,082
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.11	1.80	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	672	672	0.01	0.01	0.42	675
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.0	43.0	< 0.005	0.01	0.01	45.0
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.11	1.84	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	658	658	0.01	0.01	0.01	661
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.1	43.1	< 0.005	0.01	< 0.005	45.0
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.08	1.27	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	470	470	0.01	0.01	0.13	473
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.7	30.7	< 0.005	< 0.005	< 0.005	32.1
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	0.03	0.03	0.01	0.23	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	77.9	77.9	< 0.005	< 0.005	0.02	78.3

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.08	5.08	< 0.005	< 0.005	< 0.005	5.32
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. Linear, Grading & Excavation (2044) - 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	9.01	7.57	49.2	104	0.24	1.35	—	1.35	1.24	—	1.24	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.01	7.57	49.2	104	0.24	1.35	—	1.35	1.24	—	1.24	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	6.45	5.42	35.3	74.7	0.17	0.97	—	0.97	0.89	—	0.89	—	18,605	18,605	0.75	0.15	—	18,669
Dust From Material Movement	—	—	—	—	—	—	3.55	3.55	—	0.38	0.38	—	—	—	—	—	—	—
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-Roa d Equipm ent	1.18	0.99	6.44	13.6	0.03	0.18	—	0.18	0.16	—	0.16	—	3,080	3,080	0.12	0.02	—	3,091
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.07	0.07	—	—	—	—	—	—	—
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	0.22	0.11	1.76	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	668	668	0.01	0.01	0.36	672
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.2	42.2	< 0.005	0.01	0.01	44.0
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.11	1.79	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	655	655	0.01	0.01	0.01	658
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	< 0.005	44.1
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.08	1.25	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	469	469	0.01	0.01	0.11	472

Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.2	30.2	< 0.005	< 0.005	< 0.005	31.6
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	0.01	0.23	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	77.7	77.7	< 0.005	< 0.005	0.02	78.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.01	5.01	< 0.005	< 0.005	< 0.005	5.23
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

3.25. Linear, Drainage, Utilities, & Sub-Grade (2039) - 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	8.42	7.06	46.6	85.6	0.22	1.54	—	1.54	1.41	—	1.41	—	22,759	22,759	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.42	7.06	46.6	85.6	0.22	1.54	—	1.54	1.41	—	1.41	—	22,759	22,759	0.92	0.18	—	22,838

Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	1.88	1.57	10.4	19.1	0.05	0.34	—	0.34	0.32	—	0.32	—	5,077	5,077	0.21	0.04	—	5,095
Dust From Material Movement	—	—	—	—	—	—	0.92	0.92	—	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	0.34	0.29	1.90	3.48	0.01	0.06	—	0.06	0.06	—	0.06	—	841	841	0.03	0.01	—	844
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	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	0.26	0.26	0.12	1.77	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	588	588	0.01	0.01	0.68	591
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.26	0.13	1.80	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	576	576	0.01	0.01	0.02	579
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
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	0.01	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
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

3.27. Linear, Drainage, Utilities, & Sub-Grade (2040) - 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	8.33	6.98	45.5	84.9	0.22	1.49	—	1.49	1.37	—	1.37	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—

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	8.33	6.98	45.5	84.9	0.22	1.49	—	1.49	1.37	—	1.37	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	5.97	5.00	32.6	60.8	0.16	1.07	—	1.07	0.98	—	0.98	—	16,301	16,301	0.66	0.13	—	16,357
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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	1.09	0.91	5.95	11.1	0.03	0.20	—	0.20	0.18	—	0.18	—	2,699	2,699	0.11	0.02	—	2,708
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.25	0.23	0.12	1.70	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	583	583	0.01	0.01	0.58	587
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.13	1.72	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	572	572	0.01	0.01	0.02	574
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.09	1.20	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	410	410	0.01	0.01	0.18	412
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	0.03	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	67.8	67.8	< 0.005	< 0.005	0.03	68.2
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

3.29. Linear, Drainage, Utilities, & Sub-Grade (2041) - 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	8.25	6.91	44.7	84.1	0.22	1.45	—	1.45	1.34	—	1.34	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.25	6.91	44.7	84.1	0.22	1.45	—	1.45	1.34	—	1.34	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	5.90	4.94	31.9	60.1	0.16	1.04	—	1.04	0.95	—	0.95	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.95	2.95	—	0.32	0.32	—	—	—	—	—	—	—
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	1.08	0.90	5.82	11.0	0.03	0.19	—	0.19	0.17	—	0.17	—	2,692	2,692	0.11	0.02	—	2,701

Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.24	0.21	0.09	1.63	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	579	579	0.01	0.01	0.50	582
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.22	0.12	1.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	567	567	0.01	0.01	0.01	570
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.09	1.14	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	406	406	0.01	0.01	0.15	408
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	0.03	0.03	0.02	0.21	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	67.2	67.2	< 0.005	< 0.005	0.03	67.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Linear, Drainage, Utilities, & Sub-Grade (2042) - 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	8.18	6.85	43.8	83.2	0.22	1.41	—	1.41	1.30	—	1.30	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.18	6.85	43.8	83.2	0.22	1.41	—	1.41	1.30	—	1.30	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	5.84	4.90	31.3	59.4	0.16	1.01	—	1.01	0.93	—	0.93	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.95	2.95	—	0.32	0.32	—	—	—	—	—	—	—

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	1.07	0.89	5.71	10.8	0.03	0.18	—	0.18	0.17	—	0.17	—	2,692	2,692	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.09	1.57	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	576	576	0.01	0.01	0.43	578
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.12	1.61	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	564	564	0.01	0.01	0.01	566
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.08	1.11	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	403	403	0.01	0.01	0.13	405
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	0.03	0.03	0.02	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	66.7	66.7	< 0.005	< 0.005	0.02	67.1

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

3.33. Linear, Drainage, Utilities, & Sub-Grade (2043) - 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	8.12	6.80	43.1	82.9	0.22	1.36	—	1.36	1.26	—	1.26	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.12	6.80	43.1	82.9	0.22	1.36	—	1.36	1.26	—	1.26	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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-Roa Equipment	5.80	4.86	30.8	59.2	0.16	0.97	—	0.97	0.90	—	0.90	—	16,257	16,257	0.66	0.13	—	16,313
Dust From Material Movement	—	—	—	—	—	—	2.95	2.95	—	0.32	0.32	—	—	—	—	—	—	—
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-Roa d Equipm ent	1.06	0.89	5.62	10.8	0.03	0.18	—	0.18	0.16	—	0.16	—	2,692	2,692	0.11	0.02	—	2,701
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.20	0.20	0.09	1.53	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	572	572	0.01	0.01	0.36	575
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.10	1.56	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	560	560	0.01	0.01	0.01	563
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.07	1.08	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	401	401	0.01	0.01	0.11	403

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	0.03	0.03	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	66.4	66.4	< 0.005	< 0.005	0.02	66.7
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

3.35. Linear, Drainage, Utilities, & Sub-Grade (2044) - 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	8.05	6.75	42.3	82.0	0.22	1.32	—	1.32	1.22	—	1.22	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	8.05	6.75	42.3	82.0	0.22	1.32	—	1.32	1.22	—	1.22	—	22,760	22,760	0.92	0.18	—	22,838

Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	5.77	4.83	30.3	58.7	0.16	0.95	—	0.95	0.87	—	0.87	—	16,301	16,301	0.66	0.13	—	16,357
Dust From Material Movement	—	—	—	—	—	—	2.96	2.96	—	0.32	0.32	—	—	—	—	—	—	—
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	1.05	0.88	5.53	10.7	0.03	0.17	—	0.17	0.16	—	0.16	—	2,699	2,699	0.11	0.02	—	2,708
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.06	0.06	—	—	—	—	—	—	—
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	0.19	0.19	0.09	1.50	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	569	569	0.01	0.01	0.31	572
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.10	1.53	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	558	558	0.01	0.01	0.01	560
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.07	1.06	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	400	400	0.01	0.01	0.10	402
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	0.02	0.02	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	66.2	66.2	< 0.005	< 0.005	0.02	66.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Linear, Paving (2039) - 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	2.64	2.22	23.3	42.3	0.06	0.41	—	0.41	0.37	—	0.37	—	6,475	6,475	0.26	0.05	—	6,498
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-Roa Equipment	2.64	2.22	23.3	42.3	0.06	0.41	—	0.41	0.37	—	0.37	—	6,475	6,475	0.26	0.05	—	6,498
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	0.59	0.50	5.19	9.43	0.01	0.09	—	0.09	0.08	—	0.08	—	1,445	1,445	0.06	0.01	—	1,450
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	0.11	0.09	0.95	1.72	< 0.005	0.02	—	0.02	0.02	—	0.02	—	239	239	0.01	< 0.005	—	240
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	0.19	0.19	0.09	1.31	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	435	435	0.01	0.01	0.50	437
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.09	1.33	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	426	426	0.01	0.01	0.01	428
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.29	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	95.1	95.1	< 0.005	< 0.005	0.05	95.6
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	0.01	0.01	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.01	15.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. Linear, Paving (2040) - 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	2.61	2.19	23.1	42.2	0.06	0.39	—	0.39	0.36	—	0.36	—	6,475	6,475	0.26	0.05	—	6,498
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	2.61	2.19	23.1	42.2	0.06	0.39	—	0.39	0.36	—	0.36	—	6,475	6,475	0.26	0.05	—	6,498
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	1.87	1.57	16.6	30.2	0.04	0.28	—	0.28	0.26	—	0.26	—	4,638	4,638	0.19	0.04	—	4,654
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	0.34	0.29	3.02	5.52	0.01	0.05	—	0.05	0.05	—	0.05	—	768	768	0.03	0.01	—	771
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	0.19	0.17	0.09	1.26	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	431	431	0.01	0.01	0.43	434
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.09	1.27	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	422	422	0.01	0.01	0.01	424
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.06	0.88	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	303	303	0.01	< 0.005	0.13	304
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	0.02	0.02	0.01	0.16	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	50.1	50.1	< 0.005	< 0.005	0.02	50.4
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

3.41. Linear, Paving (2041) - 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	2.58	2.17	22.9	42.2	0.06	0.37	—	0.37	0.34	—	0.34	—	6,475	6,475	0.26	0.05	—	6,498
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	2.58	2.17	22.9	42.2	0.06	0.37	—	0.37	0.34	—	0.34	—	6,475	6,475	0.26	0.05	—	6,498
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	1.84	1.55	16.4	30.1	0.04	0.26	—	0.26	0.24	—	0.24	—	4,625	4,625	0.19	0.04	—	4,641
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 Equipm	0.34	0.28	2.99	5.50	0.01	0.05	—	0.05	0.04	—	0.04	—	766	766	0.03	0.01	—	768
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	0.18	0.16	0.07	1.21	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	428	428	0.01	0.01	0.37	430
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.09	1.22	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	419	419	0.01	0.01	0.01	421
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.06	0.85	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	300	300	0.01	< 0.005	0.11	301
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	0.02	0.02	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	49.7	49.7	< 0.005	< 0.005	0.02	49.9
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

3.43. Linear, Paving (2042) - 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	2.56	2.15	22.8	42.2	0.06	0.35	—	0.35	0.32	—	0.32	—	6,475	6,475	0.26	0.05	—	6,498
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	2.56	2.15	22.8	42.2	0.06	0.35	—	0.35	0.32	—	0.32	—	6,475	6,475	0.26	0.05	—	6,498
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	1.83	1.53	16.3	30.1	0.04	0.25	—	0.25	0.23	—	0.23	—	4,625	4,625	0.19	0.04	—	4,641
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	0.33	0.28	2.97	5.50	0.01	0.05	—	0.05	0.04	—	0.04	—	766	766	0.03	0.01	—	768
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	0.17	0.15	0.07	1.16	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	425	425	0.01	0.01	0.32	428
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.09	1.19	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	417	417	0.01	0.01	0.01	419
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.82	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	298	298	0.01	< 0.005	0.10	299
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	0.02	0.02	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	49.3	49.3	< 0.005	< 0.005	0.02	49.6
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

3.45. Linear, Paving (2043) - Unmitigated

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

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

Off-Road Equipm	2.52	2.12	22.6	42.1	0.06	0.32	—	0.32	0.30	—	0.30	—	6,475	6,475	0.26	0.05	—	6,498
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	2.52	2.12	22.6	42.1	0.06	0.32	—	0.32	0.30	—	0.30	—	6,475	6,475	0.26	0.05	—	6,498
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	1.80	1.51	16.1	30.1	0.04	0.23	—	0.23	0.21	—	0.21	—	4,625	4,625	0.19	0.04	—	4,641
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	0.33	0.28	2.95	5.49	0.01	0.04	—	0.04	0.04	—	0.04	—	766	766	0.03	0.01	—	768
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	0.15	0.14	0.07	1.13	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	423	423	0.01	0.01	0.27	425
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.07	1.16	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	414	414	0.01	0.01	0.01	416
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.05	0.80	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	296	296	0.01	< 0.005	0.08	298
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	0.02	0.02	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	49.0	49.0	< 0.005	< 0.005	0.01	49.3
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

3.47. Linear, Paving (2044) - 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	2.49	2.10	22.5	42.1	0.06	0.31	—	0.31	0.29	—	0.29	—	6,475	6,475	0.26	0.05	—	6,498
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-Roa Equipment	2.49	2.10	22.5	42.1	0.06	0.31	—	0.31	0.29	—	0.29	—	6,475	6,475	0.26	0.05	—	6,498
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	1.79	1.50	16.1	30.2	0.04	0.23	—	0.23	0.21	—	0.21	—	4,638	4,638	0.19	0.04	—	4,654
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	0.33	0.27	2.95	5.50	0.01	0.04	—	0.04	0.04	—	0.04	—	768	768	0.03	0.01	—	771
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	0.14	0.14	0.07	1.11	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	421	421	0.01	0.01	0.23	423
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.07	1.13	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	412	412	0.01	0.01	0.01	414
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.10	0.05	0.79	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	296	296	0.01	< 0.005	0.07	297
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	0.02	0.02	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	48.9	48.9	< 0.005	< 0.005	0.01	49.2
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

3.49. Demolition (2039) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.87	1.57	12.1	13.0	0.03	0.39	—	0.39	0.35	—	0.35	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.09	0.09	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	2.11	2.28	0.01	0.07	—	0.07	0.06	—	0.06	—	601	601	0.02	< 0.005	—	603

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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.39	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	99.5	99.5	< 0.005	< 0.005	—	99.8
Demolition	—	—	—	—	—	—	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.23	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.2	75.2	< 0.005	< 0.005	< 0.005	75.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.47	0.12	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	444	444	0.01	0.07	0.01	465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.3
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	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	77.9	77.9	< 0.005	0.01	0.02	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.18	2.18	< 0.005	< 0.005	< 0.005	2.19
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	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	< 0.005	13.5

3.51. Site Preparation (2039) - 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	2.60	2.19	16.0	20.0	0.05	0.59	—	0.59	0.54	—	0.54	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.46	0.38	2.81	3.50	0.01	0.10	—	0.10	0.10	—	0.10	—	929	929	0.04	0.01	—	932
Dust From Material Movement	—	—	—	—	—	—	1.34	1.34	—	0.69	0.69	—	—	—	—	—	—	—
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	0.08	0.07	0.51	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	154	154	0.01	< 0.005	—	154
Dust From Material Movement	—	—	—	—	—	—	0.25	0.25	—	0.13	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	87.7	87.7	< 0.005	< 0.005	< 0.005	88.1
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	0.04	0.01	1.25	0.31	0.01	0.02	0.42	0.45	0.02	0.12	0.14	—	1,189	1,189	0.02	0.19	0.02	1,245
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.01	15.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.05	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.05	218
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.55	2.55	< 0.005	< 0.005	< 0.005	2.56
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	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.5	34.5	< 0.005	0.01	0.01	36.1

3.53. Grading (2039) - 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	2.52	2.12	13.8	22.7	0.06	0.50	—	0.50	0.46	—	0.46	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	6.97	6.97	—	1.94	1.94	—	—	—	—	—	—	—
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	0.80	0.67	4.35	7.16	0.02	0.16	—	0.16	0.14	—	0.14	—	2,078	2,078	0.08	0.02	—	2,085
Dust From Material Movement	—	—	—	—	—	—	2.20	2.20	—	0.61	0.61	—	—	—	—	—	—	—
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	0.15	0.12	0.79	1.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	—	345

Dust From Material Movement	—	—	—	—	—	—	0.40	0.40	—	0.11	0.11	—	—	—	—	—	—	—
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	0.05	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	102	102	< 0.005	< 0.005	0.12	103
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	11.2	6.35	210	104	1.12	1.87	38.3	40.2	1.87	10.8	12.6	—	118,022	118,022	3.36	18.7	60.4	123,733
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.6	31.6	< 0.005	< 0.005	0.02	31.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	3.41	1.94	68.3	33.3	0.35	0.59	11.9	12.5	0.59	3.35	3.94	—	37,222	37,222	1.06	5.89	8.21	39,011
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.23	5.23	< 0.005	< 0.005	< 0.005	5.26
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	0.62	0.35	12.5	6.07	0.06	0.11	2.18	2.28	0.11	0.61	0.72	—	6,163	6,163	0.18	0.97	1.36	6,459

3.55. Building Construction (2039) - 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	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.51	2.77	0.01	0.03	—	0.03	0.03	—	0.03	—	535	535	0.02	< 0.005	—	537
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	0.28	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.5	88.5	< 0.005	< 0.005	—	88.8
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	1.93	1.89	0.86	12.9	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,304	4,304	0.07	0.06	4.97	4,327
Vendor	0.17	0.12	3.57	1.70	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,560	2,560	0.05	0.39	1.19	2,677
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	1.96	1.93	0.92	13.2	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,216	4,216	0.09	0.06	0.13	4,235
Vendor	0.16	0.11	3.73	1.75	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,564	2,564	0.04	0.39	0.03	2,680
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	0.43	0.43	0.20	2.85	0.00	0.00	1.15	1.15	0.00	0.27	0.27	—	942	942	0.02	0.01	0.48	946
Vendor	0.04	0.02	0.82	0.38	0.01	0.01	0.21	0.22	0.01	0.06	0.06	—	571	571	0.01	0.09	0.11	597
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	0.08	0.08	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	156	156	< 0.005	< 0.005	0.08	157
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	94.6	94.6	< 0.005	0.01	0.02	98.9
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

3.57. Building Construction (2040) - 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	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.80	8.87	0.02	0.10	—	0.10	0.09	—	0.09	—	1,717	1,717	0.07	0.01	—	1,723
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	0.12	0.10	0.88	1.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	284	284	0.01	< 0.005	—	285
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	1.83	1.65	0.86	12.4	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,270	4,270	0.07	0.06	4.27	4,292
Vendor	0.17	0.12	3.49	1.67	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,497	2,497	0.04	0.39	0.96	2,614
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	1.85	1.65	0.92	12.6	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,182	4,182	0.09	0.06	0.11	4,201
Vendor	0.16	0.11	3.63	1.73	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,502	2,502	0.04	0.39	0.02	2,618
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	1.31	1.17	0.64	8.76	0.00	0.00	3.68	3.68	0.00	0.86	0.86	—	2,999	2,999	0.07	0.04	1.32	3,014
Vendor	0.12	0.08	2.57	1.21	0.02	0.02	0.68	0.70	0.02	0.19	0.21	—	1,790	1,790	0.03	0.28	0.30	1,873
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	0.24	0.21	0.12	1.60	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	496	496	0.01	0.01	0.22	499
Vendor	0.02	0.01	0.47	0.22	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	296	296	0.01	0.05	0.05	310
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

3.59. Building Construction (2041) - 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	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.75	8.81	0.02	0.10	—	0.10	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.87	1.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.56	0.68	11.9	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,239	4,239	0.07	0.06	3.67	4,261
Vendor	0.17	0.11	3.42	1.67	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,439	2,439	0.04	0.36	0.78	2,548
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	1.78	1.58	0.90	12.1	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,152	4,152	0.09	0.06	0.09	4,171
Vendor	0.15	0.10	3.56	1.73	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,444	2,444	0.04	0.36	0.02	2,552
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	1.24	1.11	0.63	8.37	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	2,969	2,969	0.05	0.04	1.13	2,983
Vendor	0.12	0.08	2.52	1.21	0.02	0.02	0.68	0.70	0.02	0.19	0.21	—	1,743	1,743	0.03	0.26	0.24	1,821
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	0.23	0.20	0.11	1.53	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	492	492	0.01	0.01	0.19	494
Vendor	0.02	0.01	0.46	0.22	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	289	289	0.01	0.04	0.04	301
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

3.61. Building Construction (2042) - 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	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.72	8.81	0.02	0.10	—	0.10	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.86	1.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.47	0.68	11.5	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,211	4,211	0.07	0.06	3.13	4,233
Vendor	0.17	0.11	3.33	1.64	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,386	2,386	0.04	0.36	0.63	2,495
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	1.67	1.48	0.88	11.8	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,125	4,125	0.07	0.06	0.08	4,144
Vendor	0.15	0.10	3.49	1.70	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,391	2,391	0.04	0.36	0.02	2,499
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	1.20	1.06	0.61	8.14	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	2,950	2,950	0.05	0.04	0.96	2,964
Vendor	0.12	0.08	2.47	1.19	0.02	0.02	0.68	0.70	0.02	0.19	0.21	—	1,706	1,706	0.03	0.26	0.19	1,783
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	0.22	0.19	0.11	1.49	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	488	488	0.01	0.01	0.16	491
Vendor	0.02	0.01	0.45	0.22	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	282	282	0.01	0.04	0.03	295
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

3.63. Building Construction (2043) - 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	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	4.68	8.77	0.02	0.09	—	0.09	0.09	—	0.09	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.85	1.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.45	1.43	0.66	11.2	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,187	4,187	0.07	0.06	2.64	4,208
Vendor	0.17	0.11	3.26	1.62	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,339	2,339	0.04	0.36	0.52	2,448
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	1.47	1.43	0.72	11.4	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,101	4,101	0.07	0.06	0.07	4,120
Vendor	0.15	0.10	3.42	1.67	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,344	2,344	0.04	0.36	0.01	2,452
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	1.03	1.01	0.50	7.93	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	2,933	2,933	0.05	0.04	0.82	2,946
Vendor	0.11	0.07	2.42	1.18	0.02	0.02	0.68	0.70	0.02	0.19	0.21	—	1,672	1,672	0.03	0.26	0.16	1,750
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	0.19	0.18	0.09	1.45	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	486	486	0.01	0.01	0.14	488
Vendor	0.02	0.01	0.44	0.21	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	277	277	0.01	0.04	0.03	290
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

3.65. Building Construction (2044) - 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	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	4.64	8.76	0.02	0.09	—	0.09	0.08	—	0.08	—	1,717	1,717	0.07	0.01	—	1,723
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	0.12	0.10	0.85	1.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285
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	1.37	1.35	0.66	11.0	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,166	4,166	0.06	0.06	2.25	4,186
Vendor	0.16	0.11	3.21	1.62	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,297	2,297	0.04	0.33	0.43	2,398
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	1.41	1.39	0.70	11.2	0.00	0.00	5.23	5.23	0.00	1.23	1.23	—	4,080	4,080	0.07	0.06	0.06	4,099
Vendor	0.15	0.10	3.36	1.67	0.03	0.03	0.97	0.99	0.03	0.27	0.29	—	2,302	2,302	0.04	0.33	0.01	2,402
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	1.00	0.98	0.49	7.77	0.00	0.00	3.68	3.68	0.00	0.86	0.86	—	2,926	2,926	0.05	0.04	0.70	2,940
Vendor	0.11	0.07	2.37	1.18	0.02	0.02	0.68	0.70	0.02	0.19	0.21	—	1,646	1,646	0.03	0.24	0.13	1,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.09	1.42	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	484	484	0.01	0.01	0.12	487
Vendor	0.02	0.01	0.43	0.22	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	273	273	0.01	0.04	0.02	285
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

3.67. Paving (2039) - 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	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.18	2.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	337	337	0.01	< 0.005	—	338
Paving	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	0.02	0.02	0.22	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	55.8	55.8	< 0.005	< 0.005	—	56.0
Paving	< 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	0.03	0.03	0.02	0.23	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	76.7	76.7	< 0.005	< 0.005	0.09	77.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.23	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.2	75.2	< 0.005	< 0.005	< 0.005	75.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.01	16.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.78	2.78	< 0.005	< 0.005	< 0.005	2.79
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

3.69. Paving (2040) - Unmitigated

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

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

Off-Road Equipm	0.58	0.49	5.27	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.27	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	3.78	6.98	0.01	0.08	—	0.08	0.07	—	0.07	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.06	0.69	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	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	0.03	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	76.1	76.1	< 0.005	< 0.005	0.08	76.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	74.6	74.6	< 0.005	< 0.005	< 0.005	74.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	53.5	53.5	< 0.005	< 0.005	0.02	53.7
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.85	8.85	< 0.005	< 0.005	< 0.005	8.89
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

3.71. Paving (2041) - Unmitigated

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

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

Off-Road Equipm	0.57	0.48	5.20	9.74	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	5.20	9.74	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.72	6.96	0.01	0.07	—	0.07	0.07	—	0.07	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.68	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	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	0.03	0.03	0.01	0.21	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.6	75.6	< 0.005	< 0.005	0.07	76.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	74.0	74.0	< 0.005	< 0.005	< 0.005	74.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	52.9	52.9	< 0.005	< 0.005	0.02	53.2
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.76	8.76	< 0.005	< 0.005	< 0.005	8.80
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

3.73. Paving (2042) - Unmitigated

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

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

Off-Road Equipm	0.56	0.47	5.16	9.73	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	5.16	9.73	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.68	6.95	0.01	0.07	—	0.07	0.06	—	0.06	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	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	0.03	0.03	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.1	75.1	< 0.005	< 0.005	0.06	75.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.21	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	73.5	73.5	< 0.005	< 0.005	< 0.005	73.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	52.6	52.6	< 0.005	< 0.005	0.02	52.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.71	8.71	< 0.005	< 0.005	< 0.005	8.75
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

3.75. Paving (2043) - Unmitigated

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

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

Off-Road Equipm	0.56	0.47	5.12	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	5.12	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.66	6.95	0.01	0.06	—	0.06	0.06	—	0.06	—	1,079	1,079	0.04	0.01	—	1,083
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	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	0.03	0.03	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	74.6	74.6	< 0.005	< 0.005	0.05	75.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	73.1	73.1	< 0.005	< 0.005	< 0.005	73.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	52.3	52.3	< 0.005	< 0.005	0.01	52.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.65	8.65	< 0.005	< 0.005	< 0.005	8.70
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

3.77. Paving (2044) - Unmitigated

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

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

Off-Road Equipm	0.55	0.46	5.11	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	5.11	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	3.66	6.96	0.01	0.06	—	0.06	0.06	—	0.06	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.67	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	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	0.02	0.02	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	74.3	74.3	< 0.005	< 0.005	0.04	74.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	72.7	72.7	< 0.005	< 0.005	< 0.005	73.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	52.2	52.2	< 0.005	< 0.005	0.01	52.4
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.63	8.63	< 0.005	< 0.005	< 0.005	8.68
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

3.79. Architectural Coating (2039) - Unmitigated

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

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

Off-Road Equipm	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.8	29.8	< 0.005	< 0.005	—	29.9
Architectural Coatings	5.45	5.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.93	4.93	< 0.005	< 0.005	—	4.95
Architectural Coatings	0.99	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.39	0.38	0.17	2.58	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	861	861	0.01	0.01	0.99	865
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.39	0.18	2.63	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	843	843	0.02	0.01	0.03	847
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.04	0.57	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	188	188	< 0.005	< 0.005	0.10	189
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	0.02	0.02	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.2	31.2	< 0.005	< 0.005	0.02	31.3
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

3.81. Architectural Coating (2040) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.6	95.6	< 0.005	< 0.005	—	96.0

Architect Coatings	17.5	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	3.19	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.37	0.33	0.17	2.49	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	854	854	0.01	0.01	0.85	858
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.33	0.18	2.52	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	836	836	0.02	0.01	0.02	840
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.13	1.75	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	600	600	0.01	0.01	0.26	603
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	0.05	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.3	99.3	< 0.005	< 0.005	0.04	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.83. Architectural Coating (2041) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	3.18	3.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.35	0.31	0.14	2.39	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	848	848	0.01	0.01	0.73	852
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.32	0.18	2.42	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	830	830	0.02	0.01	0.02	834
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.13	1.67	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	594	594	0.01	0.01	0.23	597
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	0.05	0.04	0.02	0.31	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.04	98.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.85. Architectural Coating (2042) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	3.18	3.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.33	0.29	0.14	2.30	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	842	842	0.01	0.01	0.63	847

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.18	2.35	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	825	825	0.01	0.01	0.02	829
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.12	1.63	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	590	590	0.01	0.01	0.19	593
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	0.04	0.04	0.02	0.30	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	97.7	97.7	< 0.005	< 0.005	0.03	98.1
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

3.87. Architectural Coating (2043) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8

Architectural Coating	3.18	3.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.29	0.29	0.13	2.24	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	837	837	0.01	0.01	0.53	842
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.29	0.14	2.29	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	820	820	0.01	0.01	0.01	824
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.20	0.10	1.59	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	587	587	0.01	0.01	0.16	589
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	0.04	0.04	0.02	0.29	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	97.1	97.1	< 0.005	< 0.005	0.03	97.6
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

3.89. Architectural Coating (2044) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	24.4	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.53	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.6	95.6	< 0.005	< 0.005	—	96.0
Architectural Coatings	17.5	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	3.19	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	0.13	2.19	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	833	833	0.01	0.01	0.45	837
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.28	0.14	2.24	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	816	816	0.01	0.01	0.01	820
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.10	1.55	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	585	585	0.01	0.01	0.14	588
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	0.04	0.04	0.02	0.28	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	96.9	96.9	< 0.005	< 0.005	0.02	97.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	9/9/2039	12/31/2044	5.00	1,386	—
Linear, Grading & Excavation	Linear, Grading & Excavation	9/9/2039	12/31/2044	5.00	1,386	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	9/9/2039	12/31/2044	5.00	1,386	—
Linear, Paving	Linear, Paving	9/9/2039	12/31/2044	5.00	1,386	—
Demolition	Demolition	1/1/2039	3/31/2039	5.00	64.0	Demolition
Site Preparation	Site Preparation	1/1/2039	3/31/2039	5.00	64.0	Including remediation
Grading	Grading	4/1/2039	9/8/2039	5.00	115	23 weeks
Building Construction	Building Construction	9/9/2039	12/31/2044	5.00	1,386	—
Paving	Paving	9/9/2039	12/31/2044	5.00	1,386	—
Architectural Coating	Architectural Coating	9/9/2039	12/31/2044	5.00	1,386	—

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
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	6.00	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	8.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Grading & Excavation	Signal Boards	Electric	Average	6.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	4.00	8.00	14.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	4.00	8.00	8.00	0.43

Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	4.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	6.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Paving	Signal Boards	Electric	Average	6.00	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Back	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	8.80	LDA,LDT1,LDT2
Demolition	Vendor	—	5.30	HHDT,MHDT
Demolition	Hauling	1.59	110	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	8.80	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	4.27	110	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2
Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	8,474	5.00	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	841	8.80	LDA,LDT1,LDT2

Building Construction	Vendor	218	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	168	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	35.0	8.80	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	5.30	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	135	8.80	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	4.00	5.30	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	115	8.80	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	5.30	HHDT,MHDT

Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	85.0	8.80	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	5.30	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	7,026,517	2,342,172	420,000	140,000	44,562

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)
Linear, Grubbing & Land Clearing	0.00	0.00	24.8	0.00	—

Linear, Grading & Excavation	0.00	0.00	24.8	0.00	—
Linear, Drainage, Utilities, & Sub-Grade	0.00	0.00	24.8	0.00	—
Demolition	0.00	0.00	0.00	406	—
Site Preparation	0.00	2,181	96.0	0.00	—
Grading	7,795,887	7,795,887	345	0.00	—
Paving	0.00	0.00	0.00	0.00	54.6

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Condo/Townhouse	—	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	1.67	0%
Single Family Housing	2.47	0%
Single Family Housing	1.58	0%
Single Family Housing	1.69	0%
Single Family Housing	1.43	0%
Single Family Housing	1.71	0%
Single Family Housing	0.72	0%
Single Family Housing	1.07	0%
Single Family Housing	0.43	0%

Retirement Community	—	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Office Park	0.00	0%
Elementary School	0.00	0%
Government Office Building	0.00	0%
Health Club	0.00	0%
City Park	0.00	0%
Road Construction	24.8	100%
Road Construction	0.00	100%
City Park	0.00	0%
General Office Building	0.00	0%
Government Office Building	0.00	0%
City Park	0.00	0%
General Light Industry	0.00	0%
City Park	0.00	0%
Parking Lot	17.1	100%
Road Construction	0.00	100%
Road Construction	0.00	100%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2039	704	0.00	0.00	0.00
2040	704	0.00	0.00	0.00
2041	704	0.00	0.00	0.00
2042	704	0.00	0.00	0.00
2043	704	0.00	0.00	0.00
2044	704	0.00	0.00	0.00

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
Grazing	Entisols	270	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Grassland	270	0.00

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.53	annual days of extreme heat
Extreme Precipitation	4.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	62.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	11.7
AQ-PM	8.00

AQ-DPM	8.70
Drinking Water	64.8
Lead Risk Housing	12.1
Pesticides	97.3
Toxic Releases	9.03
Traffic	9.21
Effect Indicators	—
CleanUp Sites	83.9
Groundwater	100
Haz Waste Facilities/Generators	96.5
Impaired Water Bodies	99.2
Solid Waste	83.5
Sensitive Population	—
Asthma	48.0
Cardio-vascular	15.8
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	63.0
Housing	5.01
Linguistic	45.4
Poverty	28.6
Unemployment	26.9

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	61.45258565

Employed	61.79905043
Median HI	72.86025921
Education	—
Bachelor's or higher	63.26190171
High school enrollment	17.87501604
Preschool enrollment	28.78224047
Transportation	—
Auto Access	70.20402926
Active commuting	84.53740536
Social	—
2-parent households	98.29334018
Voting	97.60041062
Neighborhood	—
Alcohol availability	93.08353651
Park access	5.646092647
Retail density	1.065058386
Supermarket access	18.22148082
Tree canopy	80.45682022
Housing	—
Homeownership	79.5970743
Housing habitability	80.75195688
Low-inc homeowner severe housing cost burden	44.56563583
Low-inc renter severe housing cost burden	90.87642756
Uncrowded housing	62.10701912
Health Outcomes	—
Insured adults	38.59874246
Arthritis	0.0
Asthma ER Admissions	56.5

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	44.8
Cognitively Disabled	52.2
Physically Disabled	27.7
Heart Attack ER Admissions	79.8
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	3.6
SLR Inundation Area	0.0
Children	87.0
Elderly	8.4
English Speaking	73.6
Foreign-born	32.0
Outdoor Workers	3.7

Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.3
Traffic Density	8.8
Traffic Access	0.0
Other Indices	—
Hardship	31.5
Other Decision Support	—
2016 Voting	88.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	73.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Characteristics: Utility Information	Assumed 100% renewable solar and wind from Central Coast Community Energy (3CE).
Land Use	Per available project data.
Operations: Hearths	Per available project data.
Operations: Energy Use	Based on available project data. Residential units do not use any natural gas. Therefore, the total natural gas usage initially predicted by CalEEMOD for each residential land use was converted from kBTU/yr into kWh/yr and then added to the total electricity usage initially predicted by CalEEMOD for each residential land use.
Operations: Water and Waste Water	Per available project data.
Operations: Solid Waste	Per available project data.
Construction: Construction Phases	Based on available project data.
Construction: Trips and VMT	Based on available project data.
Construction: Electricity	Based on 100% renewable energy from solar and wind.
Construction: Dust From Material Movement	Based on available project data.

Solomon Hills - Construction Phase 4 Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Solomon Hills - Construction Phase 4
Construction Start Date	1/1/2045
Lead Agency	Santa Barbara County Planning and Development
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.827445, -120.377753
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Central Coast Community Energy
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	01. MF Attached
Condo/Townhouse	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	02. MF Attached

Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	03. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	04. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	05. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	06. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	07. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	08. SF Detached
Single Family Housing	76.0	Dwelling Unit	13.5	182,400	248,613	0.00	220	09. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	10. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	11. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	12. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	13. SF Detached
Retirement Community	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	14. MF Attached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	15. SF Detached
Single Family Housing	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	16. SF Detached
Apartments Low Rise	16.0	Dwelling Unit	0.63	10,400	11,060	0.00	46.0	17. MF IHP RHNA Low
Apartments Mid Rise	10.0	Dwelling Unit	0.44	8,000	7,583	0.00	29.0	18. MF IHP RHNA Med
Apartments Mid Rise	24.0	Dwelling Unit	0.64	22,800	8,152	0.00	69.0	19. MF IHP RHNA High
Strip Mall	70.0	1000sqft	1.61	70,000	53,900	24,394	—	20. Retail

Office Park	365	1000sqft	8.38	365,000	187,368	109,024	—	21. Office
Elementary School	0.00	1000sqft	0.00	0.00	0.00	0.00	—	22. School
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	23. Police/Fire
Health Club	10.0	1000sqft	0.23	10,000	26,136	0.00	—	24. Fitness Center
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	25. Parks
Road Construction	1.25	Mile	10.3	0.00	0.00	—	—	26. Roads Onsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	27. CalTrans ROW
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	28. Basins
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	29. Cell Tower
Government Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	30. Water Reclamation Plant
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	31. Water Storage
General Light Industry	0.00	1000sqft	0.00	0.00	0.00	0.00	—	32. Sewer Lift Station
City Park	33.9	Acre	33.9	0.00	1,255,181	184,286	—	33. Private Slopes
Parking Lot	16.5	Acre	16.5	0.00	0.00	0.00	—	34. Parking
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	35. Roads Offsite
Road Construction	0.00	Mile	0.00	0.00	0.00	—	—	36. Utility Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	37. Storm Water Improvements Offsite
City Park	0.00	Acre	0.00	0.00	0.00	0.00	—	38. Recreational Improvements Offsite

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	171	168	134	272	0.58	3.22	14.0	17.2	2.97	2.05	5.01	—	65,076	65,076	2.54	0.67	1.49	65,342
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	171	168	134	272	0.61	3.22	24.0	25.3	2.97	6.93	8.18	—	65,019	65,019	2.55	8.68	0.35	65,284
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.7	38.7	39.3	68.4	0.18	0.86	5.27	6.13	0.80	1.17	1.97	—	19,417	19,417	0.73	0.75	0.55	19,659
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.25	7.07	7.18	12.5	0.03	0.16	0.96	1.12	0.15	0.21	0.36	—	3,215	3,215	0.12	0.12	0.09	3,255

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2045	171	168	134	272	0.58	3.22	14.0	17.2	2.97	2.05	5.01	—	65,076	65,076	2.54	0.67	1.49	65,342
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2045	171	168	134	272	0.61	3.22	24.0	25.3	2.97	6.93	8.18	—	65,019	65,019	2.55	8.68	0.35	65,284
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2045	39.7	38.7	39.3	68.4	0.18	0.86	5.27	6.13	0.80	1.17	1.97	—	19,417	19,417	0.73	0.75	0.55	19,659
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2045	7.25	7.07	7.18	12.5	0.03	0.16	0.96	1.12	0.15	0.21	0.36	—	3,215	3,215	0.12	0.12	0.09	3,255

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2045) - 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	0.93	0.78	7.78	13.4	0.02	0.15	—	0.15	0.14	—	0.14	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	0.93	0.78	7.78	13.4	0.02	0.15	—	0.15	0.14	—	0.14	—	1,964	1,964	0.08	0.02	—	1,970

Dust From Material Movement	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
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	1.77	3.05	< 0.005	0.03	—	0.03	0.03	—	0.03	—	447	447	0.02	< 0.005	—	448
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	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	0.04	0.03	0.32	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	< 0.005	< 0.005	—	74.2
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.32	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	123	123	< 0.005	< 0.005	0.06	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.32	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	121	121	< 0.005	< 0.005	< 0.005	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.5	27.5	< 0.005	< 0.005	0.01	27.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.55	4.55	< 0.005	< 0.005	< 0.005	4.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Linear, Grading & Excavation (2045) - 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	8.88	7.46	48.3	104	0.24	1.29	—	1.29	1.19	—	1.19	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.88	7.46	48.3	104	0.24	1.29	—	1.29	1.19	—	1.19	—	25,976	25,976	1.05	0.21	—	26,065
Dust From Material Movement	—	—	—	—	—	—	4.96	4.96	—	0.54	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.02	1.70	11.0	23.6	0.05	0.29	—	0.29	0.27	—	0.27	—	5,907	5,907	0.24	0.05	—	5,927
Dust From Material Movement	—	—	—	—	—	—	1.13	1.13	—	0.12	0.12	—	—	—	—	—	—	—
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	0.37	0.31	2.01	4.30	0.01	0.05	—	0.05	0.05	—	0.05	—	978	978	0.04	0.01	—	981
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	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	0.20	0.20	0.10	1.60	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	616	616	0.01	0.01	0.28	619
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	41.5	41.5	< 0.005	0.01	0.01	43.4
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.10	1.62	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	603	603	0.01	0.01	0.01	606
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	41.6	41.6	< 0.005	0.01	< 0.005	43.4
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.36	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.03	138
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.45	9.45	< 0.005	< 0.005	< 0.005	9.87
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	< 0.005	22.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Linear, Drainage, Utilities, & Sub-Grade (2045) - 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	7.97	6.67	41.5	81.3	0.22	1.28	—	1.28	1.18	—	1.18	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	7.97	6.67	41.5	81.3	0.22	1.28	—	1.28	1.18	—	1.18	—	22,760	22,760	0.92	0.18	—	22,838
Dust From Material Movement	—	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
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	1.81	1.52	9.45	18.5	0.05	0.29	—	0.29	0.27	—	0.27	—	5,175	5,175	0.21	0.04	—	5,193
Dust From Material Movement	—	—	—	—	—	—	0.94	0.94	—	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	0.33	0.28	1.72	3.38	0.01	0.05	—	0.05	0.05	—	0.05	—	857	857	0.03	0.01	—	860

Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	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	0.17	0.16	0.08	1.34	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	517	517	0.01	0.01	0.24	520
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.36	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	507	507	0.01	0.01	0.01	509
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.02	116
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	0.01	0.01	< 0.005	0.05	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	19.1	19.1	< 0.005	< 0.005	< 0.005	19.2
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

3.7. Linear, Paving (2045) - 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	2.45	2.06	22.4	42.1	0.06	0.29	—	0.29	0.27	—	0.27	—	6,475	6,475	0.26	0.05	—	6,498
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	2.45	2.06	22.4	42.1	0.06	0.29	—	0.29	0.27	—	0.27	—	6,475	6,475	0.26	0.05	—	6,498
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	0.56	0.47	5.10	9.56	0.01	0.07	—	0.07	0.06	—	0.06	—	1,473	1,473	0.06	0.01	—	1,478
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	0.10	0.09	0.93	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	244	244	0.01	< 0.005	—	245
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	0.12	0.12	0.06	0.96	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	370	370	< 0.005	< 0.005	0.17	371
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.06	0.97	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	362	362	0.01	< 0.005	< 0.005	364
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.22	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	82.4	82.4	< 0.005	< 0.005	0.02	82.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	< 0.005	13.7
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

3.9. Demolition (2045) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.39	10.3	11.6	0.03	0.27	—	0.27	0.25	—	0.25	—	3,426	3,426	0.14	0.03	—	3,438
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.62	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	206	206	0.01	< 0.005	—	207
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	0.02	0.02	0.11	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.2	34.2	< 0.005	< 0.005	—	34.3
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	72.4	72.4	< 0.005	< 0.005	< 0.005	72.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.37	4.37	< 0.005	< 0.005	< 0.005	4.39
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.73
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

3.11. Site Preparation (2045) - 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	2.28	1.92	13.3	17.9	0.05	0.42	—	0.42	0.39	—	0.39	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—

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	0.14	0.12	0.80	1.08	< 0.005	0.03	—	0.03	0.02	—	0.02	—	319	319	0.01	< 0.005	—	320
Dust From Material Movement	—	—	—	—	—	—	0.46	0.46	—	0.24	0.24	—	—	—	—	—	—	—
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	0.03	0.02	0.15	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.8	52.8	< 0.005	< 0.005	—	53.0
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.23	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	84.5	84.5	< 0.005	< 0.005	< 0.005	84.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.10	5.10	< 0.005	< 0.005	< 0.005	5.12
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
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

3.13. Grading (2045) - 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	2.31	1.94	11.6	21.0	0.06	0.38	—	0.38	0.35	—	0.35	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	5.23	5.23	—	1.67	1.67	—	—	—	—	—	—	—
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	0.16	0.13	0.80	1.44	< 0.005	0.03	—	0.03	0.02	—	0.02	—	452	452	0.02	< 0.005	—	453
Dust From Material Movement	—	—	—	—	—	—	0.36	0.36	—	0.11	0.11	—	—	—	—	—	—	—
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	0.03	0.02	0.15	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.8	74.8	< 0.005	< 0.005	—	75.1
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.26	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	96.5	96.5	< 0.005	< 0.005	< 0.005	97.0
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	4.54	2.81	97.8	50.5	0.54	0.91	18.6	19.5	0.91	5.22	6.13	—	53,194	53,194	1.54	8.62	0.35	55,802
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.62	6.62	< 0.005	< 0.005	< 0.005	6.65
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	0.33	0.21	6.59	3.41	0.04	0.06	1.26	1.32	0.06	0.35	0.42	—	3,638	3,638	0.11	0.59	0.40	3,817
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.10
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	0.06	0.04	1.20	0.62	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	602	602	0.02	0.10	0.07	632

3.15. Building Construction (2045) - 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	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.46	2.76	0.01	0.03	—	0.03	0.03	—	0.03	—	545	545	0.02	< 0.005	—	547
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	0.27	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	90.2	90.2	< 0.005	< 0.005	—	90.5
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	0.33	0.32	0.16	2.64	0.00	0.00	1.29	1.29	0.00	0.30	0.30	—	1,019	1,019	0.01	0.01	0.47	1,024
Vendor	0.06	0.04	1.25	0.63	0.01	0.01	0.38	0.39	0.01	0.11	0.12	—	896	896	0.02	0.13	0.14	937
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	0.34	0.33	0.17	2.69	0.00	0.00	1.29	1.29	0.00	0.30	0.30	—	998	998	0.02	0.01	0.01	1,003
Vendor	0.06	0.04	1.32	0.65	0.01	0.01	0.38	0.39	0.01	0.11	0.12	—	899	899	0.02	0.13	< 0.005	939
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	0.08	0.07	0.04	0.59	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	227	227	< 0.005	< 0.005	0.05	228
Vendor	0.01	0.01	0.29	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	204	204	< 0.005	0.03	0.01	213
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	37.6	37.6	< 0.005	< 0.005	0.01	37.8
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	< 0.005	< 0.005	35.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2045) - 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	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.85	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.85	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	1.15	2.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	344	344	0.01	< 0.005	—	345
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.9	56.9	< 0.005	< 0.005	—	57.1
Paving	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	0.02	0.02	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	73.9	73.9	< 0.005	< 0.005	0.03	74.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	72.4	72.4	< 0.005	< 0.005	< 0.005	72.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.73	2.73	< 0.005	< 0.005	< 0.005	2.74
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

3.19. Architectural Coating (2045) - 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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	148	148	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	148	148	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.4	30.4	< 0.005	< 0.005	—	30.5

Architectural Coating	33.6	33.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.03	5.03	< 0.005	< 0.005	—	5.04
Architectural Coatings	6.13	6.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.53	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	204	204	< 0.005	< 0.005	0.09	205
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.03	0.54	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	< 0.005	201
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.12	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.4	45.4	< 0.005	< 0.005	0.01	45.7
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	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.52	7.52	< 0.005	< 0.005	< 0.005	7.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	3/8/2045	6/30/2045	5.00	83.0	—
Linear, Grading & Excavation	Linear, Grading & Excavation	3/8/2045	6/30/2045	5.00	83.0	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	3/8/2045	6/30/2045	5.00	83.0	—
Linear, Paving	Linear, Paving	3/8/2045	6/30/2045	5.00	83.0	—
Demolition	Demolition	1/1/2045	1/31/2045	5.00	22.0	Demolition
Site Preparation	Site Preparation	1/1/2045	1/31/2045	5.00	22.0	—
Grading	Grading	2/1/2045	3/7/2045	5.00	25.0	5 weeks
Building Construction	Building Construction	3/8/2045	6/30/2045	5.00	83.0	—
Paving	Paving	3/8/2045	6/30/2045	5.00	83.0	—

Architectural Coating	Architectural Coating	3/8/2045	6/30/2045	5.00	83.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	8.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Grading & Excavation	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	4.00	8.00	14.0	0.74

Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	4.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	4.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	4.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	8.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Average	12.0	8.00	36.0	0.38
Linear, Paving	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48

Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	8.80	LDA,LDT1,LDT2
Demolition	Vendor	—	5.30	HHDT,MHDT
Demolition	Hauling	0.00	110	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	8.80	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	0.00	110	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2

Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	4,117	5.00	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	207	8.80	LDA,LDT1,LDT2
Building Construction	Vendor	86.4	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	41.4	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	25.0	8.80	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	5.30	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	125	8.80	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	4.00	5.30	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT

Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	105	8.80	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	5.30	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	75.0	8.80	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	5.30	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	452,790	150,930	667,500	222,500	43,046

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)
Linear, Grubbing & Land Clearing	0.00	0.00	10.3	0.00	—
Linear, Grading & Excavation	0.00	0.00	10.3	0.00	—
Linear, Drainage, Utilities, & Sub-Grade	0.00	0.00	10.3	0.00	—
Demolition	0.00	0.00	0.00	0.00	—
Site Preparation	0.00	0.00	33.0	0.00	—
Grading	823,300	823,300	75.0	0.00	—
Paving	0.00	0.00	0.00	0.00	27.6

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Condo/Townhouse	—	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%

Single Family Housing	0.84	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Retirement Community	—	0%
Single Family Housing	0.00	0%
Single Family Housing	0.00	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Office Park	0.00	0%
Elementary School	0.00	0%
Government Office Building	0.00	0%
Health Club	0.00	0%
City Park	0.00	0%
Road Construction	10.3	100%
Road Construction	0.00	100%
City Park	0.00	0%
General Office Building	0.00	0%
Government Office Building	0.00	0%
City Park	0.00	0%
General Light Industry	0.00	0%
City Park	0.00	0%
Parking Lot	16.5	100%
Road Construction	0.00	100%
Road Construction	0.00	100%

City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2045	235	0.00	0.00	0.00

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
Grazing	Entisols	54.2	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Grassland	54.2	0.00

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.53	annual days of extreme heat
Extreme Precipitation	4.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	62.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	11.7
AQ-PM	8.00

AQ-DPM	8.70
Drinking Water	64.8
Lead Risk Housing	12.1
Pesticides	97.3
Toxic Releases	9.03
Traffic	9.21
Effect Indicators	—
CleanUp Sites	83.9
Groundwater	100
Haz Waste Facilities/Generators	96.5
Impaired Water Bodies	99.2
Solid Waste	83.5
Sensitive Population	—
Asthma	48.0
Cardio-vascular	15.8
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	63.0
Housing	5.01
Linguistic	45.4
Poverty	28.6
Unemployment	26.9

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	61.45258565

Employed	61.79905043
Median HI	72.86025921
Education	—
Bachelor's or higher	63.26190171
High school enrollment	17.87501604
Preschool enrollment	28.78224047
Transportation	—
Auto Access	70.20402926
Active commuting	84.53740536
Social	—
2-parent households	98.29334018
Voting	97.60041062
Neighborhood	—
Alcohol availability	93.08353651
Park access	5.646092647
Retail density	1.065058386
Supermarket access	18.22148082
Tree canopy	80.45682022
Housing	—
Homeownership	79.5970743
Housing habitability	80.75195688
Low-inc homeowner severe housing cost burden	44.56563583
Low-inc renter severe housing cost burden	90.87642756
Uncrowded housing	62.10701912
Health Outcomes	—
Insured adults	38.59874246
Arthritis	0.0
Asthma ER Admissions	56.5

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	44.8
Cognitively Disabled	52.2
Physically Disabled	27.7
Heart Attack ER Admissions	79.8
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	3.6
SLR Inundation Area	0.0
Children	87.0
Elderly	8.4
English Speaking	73.6
Foreign-born	32.0
Outdoor Workers	3.7

Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.3
Traffic Density	8.8
Traffic Access	0.0
Other Indices	—
Hardship	31.5
Other Decision Support	—
2016 Voting	88.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	73.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Characteristics: Utility Information	Assumed 100% renewable solar and wind from Central Coast Community Energy (3CE).
Land Use	Per available project data.
Operations: Hearths	Per available project data.
Operations: Energy Use	Based on available project data. Residential units do not use any natural gas. Therefore, the total natural gas usage initially predicted by CalEEMOD for each residential land use was converted from kBTU/yr into kWh/yr and then added to the total electricity usage initially predicted by CalEEMOD for each residential land use.
Operations: Water and Waste Water	Per available project data.
Operations: Solid Waste	Per available project data.
Construction: Construction Phases	Based on available project data.
Construction: Trips and VMT	Based on available project data.
Construction: Electricity	Based on 100% renewable energy from solar and wind.
Construction: Dust From Material Movement	Based on available project data.

Appendix D

CalEEMod Report - Operation

Solomon Hills - Operation Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Solomon Hills - Operation
Operational Year	2046
Lead Agency	Santa Barbara County Planning and Development
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.827445, -120.377753
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Central Coast Community Energy
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	541	Dwelling Unit	30.1	955,947	416,591	0.00	1,563	01. MF Attached
Condo/Townhouse	75.0	Dwelling Unit	4.10	110,625	61,642	0.00	217	02. MF Attached

Single Family Housing	224	Dwelling Unit	23.2	380,800	410,096	0.00	647	03. SF Detached
Single Family Housing	62.0	Dwelling Unit	5.40	97,650	93,200	0.00	179	04. SF Detached
Single Family Housing	205	Dwelling Unit	27.1	369,000	497,988	0.00	592	05. SF Detached
Single Family Housing	377	Dwelling Unit	47.6	735,150	852,941	0.00	1,090	06. SF Detached
Single Family Housing	261	Dwelling Unit	30.4	548,100	525,087	0.00	754	07. SF Detached
Single Family Housing	193	Dwelling Unit	27.8	424,600	499,334	0.00	558	08. SF Detached
Single Family Housing	310	Dwelling Unit	55.1	744,000	1,014,078	0.00	896	09. SF Detached
Single Family Housing	209	Dwelling Unit	40.1	564,300	732,303	0.00	604	10. SF Detached
Single Family Housing	228	Dwelling Unit	48.9	741,000	879,792	0.00	659	11. SF Detached
Single Family Housing	151	Dwelling Unit	40.1	566,250	731,816	0.00	436	12. SF Detached
Single Family Housing	39.0	Dwelling Unit	15.4	157,950	295,925	0.00	113	13. SF Detached
Retirement Community	375	Dwelling Unit	30.0	562,500	372,150	0.00	825	14. MF Attached
Single Family Housing	250	Dwelling Unit	22.5	437,500	271,300	0.00	550	15. SF Detached
Single Family Housing	100	Dwelling Unit	12.7	210,000	224,106	0.00	220	16. SF Detached
Apartments Low Rise	125	Dwelling Unit	4.90	81,250	86,410	0.00	361	17. MF IHP RHNA Low
Apartments Mid Rise	75.0	Dwelling Unit	3.30	60,000	56,874	0.00	217	18. MF IHP RHNA Med
Apartments Mid Rise	200	Dwelling Unit	5.30	190,000	67,934	0.00	578	19. MF IHP RHNA High
Strip Mall	125	1000sqft	2.87	125,000	96,251	43,560	—	20. Retail

Office Park	525	1000sqft	12.1	525,000	269,502	156,816	—	21. Office
Elementary School	110	1000sqft	2.53	110,000	214,315	0.00	—	22. School
Government Office Building	10.0	1000sqft	0.23	10,000	19,166	0.00	—	23. Police/Fire
Health Club	10.0	1000sqft	0.23	10,000	26,136	0.00	—	24. Fitness Center
City Park	21.6	Acre	21.6	0.00	799,762	0.00	—	25. Parks
Road Construction	11.3	Mile	93.1	0.00	0.00	—	—	26. Roads Onsite
Road Construction	1.00	Mile	6.90	0.00	0.00	—	—	27. CalTrans ROW
City Park	29.9	Acre	29.9	0.00	0.00	0.00	—	28. Basins
General Office Building	0.10	1000sqft	< 0.005	100	0.00	0.00	—	29. Cell Tower
Government Office Building	5.00	1000sqft	0.11	5,000	123,710	0.00	—	30. Water Reclamation Plant
City Park	0.90	Acre	0.90	0.00	0.00	0.00	—	31. Water Storage
General Light Industry	0.40	1000sqft	0.01	400	871	0.00	—	32. Sewer Lift Station
City Park	309	Acre	309	0.00	11,422,521	1,677,060	—	33. Private Slopes
Parking Lot	52.0	Acre	52.0	0.00	0.00	0.00	—	34. Parking
Road Construction	7.00	Mile	50.9	0.00	0.00	—	—	35. Roads Offsite
Road Construction	22.3	Mile	1.35	0.00	0.00	—	—	36. Utility Improvements Offsite
City Park	7.50	Acre	7.50	0.00	0.00	0.00	—	37. Storm Water Improvements Offsite
City Park	31.0	Acre	31.0	0.00	1,149,984	1,149,984	—	38. Recreational Improvements Offsite

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	341	334	49.5	770	1.27	0.40	157	157	0.78	39.8	40.5	2,658	135,457	138,115	202	6.92	105	145,342
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	316	310	52.0	533	1.23	0.23	157	157	0.66	39.8	40.4	2,658	132,521	135,178	203	7.32	63.7	142,495
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	326	320	51.2	638	1.22	0.31	152	152	0.71	38.4	39.1	2,658	130,672	133,330	203	7.11	80.6	140,592
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.5	58.4	9.34	116	0.22	0.06	27.7	27.8	0.13	7.01	7.14	440	21,634	22,074	33.5	1.18	13.3	23,277

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	96.8	92.0	44.3	504	1.34	0.50	158	158	0.47	39.9	40.4	—	136,710	136,710	5.87	6.06	42.4	138,705
Area	244	242	2.38	262	0.01	0.16	—	0.16	0.12	—	0.12	0.00	747	747	0.03	0.01	—	750
Energy	0.53	0.26	4.81	4.04	0.03	0.37	—	0.37	0.37	—	0.37	—	5,736	5,736	0.51	0.01	—	5,751
Water	—	—	—	—	—	—	—	—	—	—	—	387	0.00	387	1.33	0.84	—	672

Waste	—	—	—	—	—	—	—	—	—	—	—	2,271	0.00	2,271	195	0.00	—	7,136
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6
Vegetation	—	0.00	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	-7,736	-7,736	—	—	—	-7,736
Total	341	334	49.5	770	1.27	0.40	157	157	0.78	39.8	40.5	2,658	135,457	138,115	202	6.92	105	145,342
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	98.4	93.4	49.1	529	1.32	0.50	158	158	0.47	39.9	40.4	—	134,520	134,520	6.40	6.47	1.10	136,609
Area	217	217	0.00	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	0.53	0.26	4.81	4.04	0.03	0.37	—	0.37	0.37	—	0.37	—	5,736	5,736	0.51	0.01	—	5,751
Water	—	—	—	—	—	—	—	—	—	—	—	387	0.00	387	1.33	0.84	—	672
Waste	—	—	—	—	—	—	—	—	—	—	—	2,271	0.00	2,271	195	0.00	—	7,136
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6
Vegetation	—	0.00	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	-7,736	-7,736	—	—	—	-7,736
Total	316	310	52.0	533	1.23	0.23	157	157	0.66	39.8	40.4	2,658	132,521	135,178	203	7.32	63.7	142,495
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	95.5	90.6	47.1	505	1.30	0.49	152	153	0.46	38.6	39.0	—	132,304	132,304	6.09	6.25	18.0	134,335
Area	230	229	1.17	129	0.01	0.08	—	0.08	0.06	—	0.06	0.00	368	368	0.02	< 0.005	—	370
Energy	0.53	0.26	4.81	4.04	0.03	0.37	—	0.37	0.37	—	0.37	—	5,736	5,736	0.51	0.01	—	5,751
Water	—	—	—	—	—	—	—	—	—	—	—	387	0.00	387	1.33	0.84	—	672
Waste	—	—	—	—	—	—	—	—	—	—	—	2,271	0.00	2,271	195	0.00	—	7,136
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6
Vegetation	—	0.00	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	-7,736	-7,736	—	—	—	-7,736
Total	326	320	51.2	638	1.22	0.31	152	152	0.71	38.4	39.1	2,658	130,672	133,330	203	7.11	80.6	140,592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.4	16.5	8.59	92.1	0.24	0.09	27.8	27.9	0.08	7.04	7.13	—	21,904	21,904	1.01	1.03	2.98	22,241
Area	42.0	41.8	0.21	23.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	61.0	61.0	< 0.005	< 0.005	—	61.2

Energy	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	950	950	0.08	< 0.005	—	952
Water	—	—	—	—	—	—	—	—	—	—	—	64.0	0.00	64.0	0.22	0.14	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	32.2	0.00	—	1,182
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.4	10.4
Vegetation	—	0.00	-0.35	—	-0.02	-0.12	-0.12	-0.23	-0.03	-0.03	-0.06	—	-1,281	-1,281	—	—	—	-1,281
Total	59.5	58.4	9.34	116	0.22	0.06	27.7	27.8	0.13	7.01	7.14	440	21,634	22,074	33.5	1.18	13.3	23,277

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartme Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	239	239	0.02	< 0.005	—	240
Office Park	0.35	0.18	3.19	2.68	0.02	0.24	—	0.24	0.24	—	0.24	—	3,801	3,801	0.34	0.01	—	3,811

Elementary School	0.13	0.07	1.21	1.02	0.01	0.09	—	0.09	0.09	—	0.09	—	1,446	1,446	0.13	< 0.005	—	1,450
Government Office Building	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Health Club	0.01	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.72	0.72	< 0.005	< 0.005	—	0.73
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.41	5.41	< 0.005	< 0.005	—	5.42
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.53	0.26	4.81	4.04	0.03	0.37	—	0.37	0.37	—	0.37	—	5,736	5,736	0.51	0.01	—	5,751
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	239	239	0.02	< 0.005	—	240
Office Park	0.35	0.18	3.19	2.68	0.02	0.24	—	0.24	0.24	—	0.24	—	3,801	3,801	0.34	0.01	—	3,811
Elementary School	0.13	0.07	1.21	1.02	0.01	0.09	—	0.09	0.09	—	0.09	—	1,446	1,446	0.13	< 0.005	—	1,450
Government Office Building	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Health Club	0.01	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.72	0.72	< 0.005	< 0.005	—	0.73
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.41	5.41	< 0.005	< 0.005	—	5.42
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.53	0.26	4.81	4.04	0.03	0.37	—	0.37	0.37	—	0.37	—	5,736	5,736	0.51	0.01	—	5,751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Retirement Community	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartment Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.6	39.6	< 0.005	< 0.005	—	39.7
Office Park	0.06	0.03	0.58	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	629	629	0.06	< 0.005	—	631
Elementary School	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	239	239	0.02	< 0.005	—	240
Government Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.0	18.0	< 0.005	< 0.005	—	18.0
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.4	22.4	< 0.005	< 0.005	—	22.5
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.90	0.90	< 0.005	< 0.005	—	0.90
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	950	950	0.08	< 0.005	—	952

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	194	194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	26.9	25.3	2.38	262	0.01	0.16	—	0.16	0.12	—	0.12	—	747	747	0.03	0.01	—	750
Total	244	242	2.38	262	0.01	0.16	—	0.16	0.12	—	0.12	0.00	747	747	0.03	0.01	—	750
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	194	194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	217	217	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	35.5	35.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.05	4.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.42	2.28	0.21	23.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.0	61.0	< 0.005	< 0.005	—	61.2
Total	42.0	41.8	0.21	23.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	61.0	61.0	< 0.005	< 0.005	—	61.2

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	21.0	0.00	21.0	0.07	0.05	—	36.4
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	283	0.00	283	0.97	0.62	—	492
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	18.4	0.00	18.4	0.06	0.04	—	32.0
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.01	0.00	3.01	0.01	0.01	—	5.22

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.28	0.00	5.28	0.02	0.01	—	9.16
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.09	0.00	6.09	0.02	0.01	—	10.6
Office Park	—	—	—	—	—	—	—	—	—	—	—	25.6	0.00	25.6	0.09	0.06	—	44.5
Elementary School	—	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	0.04	0.02	—	18.0
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	0.04	0.02	—	18.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	2.48	0.00	2.48	0.01	0.01	—	4.31
City Park	—	—	—	—	—	—	—	—	—	—	—	0.62	0.00	0.62	< 0.005	< 0.005	—	1.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	< 0.005	< 0.005	—	0.11
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	387	0.00	387	1.33	0.84	—	672
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	21.0	0.00	21.0	0.07	0.05	—	36.4
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	283	0.00	283	0.97	0.62	—	492

Retirement Commu	—	—	—	—	—	—	—	—	—	—	—	18.4	0.00	18.4	0.06	0.04	—	32.0
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.01	0.00	3.01	0.01	0.01	—	5.22
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.28	0.00	5.28	0.02	0.01	—	9.16
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.09	0.00	6.09	0.02	0.01	—	10.6
Office Park	—	—	—	—	—	—	—	—	—	—	—	25.6	0.00	25.6	0.09	0.06	—	44.5
Elementary School	—	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	0.04	0.02	—	18.0
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	0.04	0.02	—	18.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	2.48	0.00	2.48	0.01	0.01	—	4.31
City Park	—	—	—	—	—	—	—	—	—	—	—	0.62	0.00	0.62	< 0.005	< 0.005	—	1.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	< 0.005	< 0.005	—	0.11
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	387	0.00	387	1.33	0.84	—	672
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.47	0.00	3.47	0.01	0.01	—	6.03

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	46.9	0.00	46.9	0.16	0.10	—	81.5
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	3.05	0.00	3.05	0.01	0.01	—	5.29
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.50	0.00	0.50	< 0.005	< 0.005	—	0.86
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.87	0.00	0.87	< 0.005	< 0.005	—	1.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.01	0.00	1.01	< 0.005	< 0.005	—	1.75
Office Park	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.01	0.01	—	7.36
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.72	0.00	1.72	0.01	< 0.005	—	2.99
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.72	0.00	1.72	0.01	< 0.005	—	2.99
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.41	0.00	0.41	< 0.005	< 0.005	—	0.71
City Park	—	—	—	—	—	—	—	—	—	—	—	0.10	0.00	0.10	< 0.005	< 0.005	—	0.18
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	< 0.005	—	0.02
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	64.0	0.00	64.0	0.22	0.14	—	111

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	248	0.00	248	21.3	0.00	—	780
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	986	0.00	986	84.5	0.00	—	3,100
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	406	0.00	406	34.8	0.00	—	1,277
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	50.4	0.00	50.4	4.32	0.00	—	158
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	9.50	0.00	—	348
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	70.8	0.00	70.8	6.07	0.00	—	223
Office Park	—	—	—	—	—	—	—	—	—	—	—	263	0.00	263	22.6	0.00	—	828
Elementary School	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	6.61	0.00	—	242
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.53	0.00	7.53	0.64	0.00	—	23.7

Health Club	—	—	—	—	—	—	—	—	—	—	—	30.8	0.00	30.8	2.64	0.00	—	96.6
City Park	—	—	—	—	—	—	—	—	—	—	—	18.5	0.00	18.5	1.59	0.00	—	58.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.05	0.00	0.05	< 0.005	0.00	—	0.16
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.27	0.00	0.27	0.02	0.00	—	0.84
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,271	0.00	2,271	195	0.00	—	7,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	248	0.00	248	21.3	0.00	—	780
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	986	0.00	986	84.5	0.00	—	3,100
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	406	0.00	406	34.8	0.00	—	1,277
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	50.4	0.00	50.4	4.32	0.00	—	158
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	9.50	0.00	—	348
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	70.8	0.00	70.8	6.07	0.00	—	223
Office Park	—	—	—	—	—	—	—	—	—	—	—	263	0.00	263	22.6	0.00	—	828

Elementary	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	6.61	0.00	—	242
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.53	0.00	7.53	0.64	0.00	—	23.7
Health Club	—	—	—	—	—	—	—	—	—	—	—	30.8	0.00	30.8	2.64	0.00	—	96.6
City Park	—	—	—	—	—	—	—	—	—	—	—	18.5	0.00	18.5	1.59	0.00	—	58.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.05	0.00	0.05	< 0.005	0.00	—	0.16
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.27	0.00	0.27	0.02	0.00	—	0.84
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,271	0.00	2,271	195	0.00	—	7,136
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	41.1	0.00	41.1	3.52	0.00	—	129
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	163	0.00	163	14.0	0.00	—	513
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	67.3	0.00	67.3	5.77	0.00	—	211
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	8.34	0.00	8.34	0.71	0.00	—	26.2
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	18.4	0.00	18.4	1.57	0.00	—	57.7

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.7	0.00	11.7	1.00	0.00	—	36.8
Office Park	—	—	—	—	—	—	—	—	—	—	—	43.6	0.00	43.6	3.74	0.00	—	137
Elementary School	—	—	—	—	—	—	—	—	—	—	—	12.8	0.00	12.8	1.09	0.00	—	40.1
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.25	0.00	1.25	0.11	0.00	—	3.92
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.09	0.00	5.09	0.44	0.00	—	16.0
City Park	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.26	0.00	—	9.64
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.03
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.04	0.00	0.04	< 0.005	0.00	—	0.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	32.2	0.00	—	1,182

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhou	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14	7.14
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.58	0.58
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79	1.79
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.28	1.28
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14	7.14
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.58	0.58
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.79	1.79
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.28	1.28
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	1.26
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.09	7.09
Retirement Community	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.18	1.18
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.4	10.4

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	2,918	2,918	—	—	—	2,918
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,918	2,918	—	—	—	2,918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	2,918	2,918	—	—	—	2,918
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,918	2,918	—	—	—	2,918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	483	483	—	—	—	483
Total	—	—	—	—	—	—	—	—	—	—	—	—	483	483	—	—	—	483

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	1,808	1,808	—	—	—	1,808
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,808	1,808	—	—	—	1,808
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	1,808	1,808	—	—	—	1,808
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,808	1,808	—	—	—	1,808

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	299	299	—	—	—	299
Total	—	—	—	—	—	—	—	—	—	—	—	—	299	299	—	—	—	299

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	—	—	—	—	—	—	—	—	—	—	-12,462	-12,462	—	—	—	-12,462
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-12,462	-12,462	—	—	—	-12,462
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	—	—	—	—	—	—
Subtotal	—	—	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	-12,462	-12,462	—	—	—	-12,462
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Quercus acutifolia	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	—	—	—	—	—	—	—	—	—	—	-12,462	-12,462	—	—	—	-12,462
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-12,462	-12,462	—	—	—	-12,462
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	—	—	—	—	—	—
Subtotal	—	—	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	-1.91	—	-0.12	-0.63	-0.63	-1.26	-0.17	-0.17	-0.34	—	-12,462	-12,462	—	—	—	-12,462
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	—	—	—	—	—	—	—	—	—	—	-2,063	-2,063	—	—	—	-2,063
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-2,063	-2,063	—	—	—	-2,063
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quercus acutifolia	—	—	-0.35	—	-0.02	-0.12	-0.12	-0.23	-0.03	-0.03	-0.06	—	—	—	—	—	—	—
Subtotal	—	—	-0.35	—	-0.02	-0.12	-0.12	-0.23	-0.03	-0.03	-0.06	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	-0.35	—	-0.02	-0.12	-0.12	-0.23	-0.03	-0.03	-0.06	—	-2,063	-2,063	—	—	—	-2,063

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	45,768	43,022	43,022	16,418,951	224,488	211,019	211,019	80,533,496

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	541
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	75
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0

Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	224
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	62
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	205
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	377
Wood Fireplaces	0
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	261
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	193
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	310
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	209
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	228
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	151

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	39
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	100
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Retirement Community	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	375
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	125
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	75
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	200
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
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)
16071659.549999999	5,357,220	1,178,250	392,750	135,777

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	8,294,903	0.00	0.0000	0.0000	0.00
Condo/Townhouse	1,149,940	0.00	0.0000	0.0000	0.00
Single Family Housing	3,977,660	0.00	0.0000	0.0000	0.00
Single Family Housing	1,100,959	0.00	0.0000	0.0000	0.00
Single Family Housing	3,640,269	0.00	0.0000	0.0000	0.00
Single Family Housing	6,694,543	0.00	0.0000	0.0000	0.00
Single Family Housing	4,634,684	0.00	0.0000	0.0000	0.00
Single Family Housing	3,427,180	0.00	0.0000	0.0000	0.00
Single Family Housing	5,504,797	0.00	0.0000	0.0000	0.00
Single Family Housing	3,711,298	0.00	0.0000	0.0000	0.00
Single Family Housing	4,048,689	0.00	0.0000	0.0000	0.00
Single Family Housing	2,681,369	0.00	0.0000	0.0000	0.00
Single Family Housing	692,539	0.00	0.0000	0.0000	0.00
Retirement Community	4,127,740	0.00	0.0000	0.0000	0.00
Single Family Housing	4,439,352	0.00	0.0000	0.0000	0.00
Single Family Housing	1,775,741	0.00	0.0000	0.0000	0.00
Apartments Low Rise	1,375,913	0.00	0.0000	0.0000	0.00
Apartments Mid Rise	772,261	0.00	0.0000	0.0000	0.00

Apartments Mid Rise	2,059,364	0.00	0.0000	0.0000	0.00
Strip Mall	1,034,649	0.00	0.0000	0.0000	746,610
Office Park	10,957,471	0.00	0.0000	0.0000	11,858,676
Elementary School	492,786	0.00	0.0000	0.0000	4,511,374
Government Office Building	208,714	0.00	0.0000	0.0000	225,880
Health Club	100,862	0.00	0.0000	0.0000	421,943
City Park	0.00	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
General Office Building	2,087	0.00	0.0000	0.0000	2,259
Government Office Building	104,357	0.00	0.0000	0.0000	112,940
City Park	0.00	0.00	0.0000	0.0000	0.00
General Light Industry	4,034	0.00	0.0000	0.0000	16,878
City Park	0.00	0.00	0.0000	0.0000	0.00
Parking Lot	1,982,337	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	8,639,885	4,787,952
Condo/Townhouse	1,176,861	708,459
Single Family Housing	7,762,440	4,713,301
Single Family Housing	1,806,775	1,071,157
Single Family Housing	9,067,333	5,723,458
Single Family Housing	15,926,386	9,802,985
Single Family Housing	10,171,473	6,034,911

Single Family Housing	9,301,545	5,738,928
Single Family Housing	18,435,795	11,654,965
Single Family Housing	13,416,976	8,416,479
Single Family Housing	16,361,350	10,111,594
Single Family Housing	13,416,976	8,410,876
Single Family Housing	5,152,654	3,401,109
Retirement Community	8,611,181	4,277,181
Single Family Housing	7,528,229	3,118,096
Single Family Housing	4,249,267	2,575,687
Apartments Low Rise	1,406,493	993,119
Apartments Mid Rise	947,230	653,662
Apartments Mid Rise	1,521,309	780,777
Strip Mall	2,851,634	873,333
Office Park	11,976,864	3,667,998
Elementary School	4,860,182	93,941
Government Office Building	651,976	12,602
Health Club	1,161,501	355,718
City Park	291,378	10,480,289
City Park	0.00	0.00
General Office Building	0.00	0.00
Government Office Building	4,208,207	81,339
City Park	0.00	0.00
General Light Industry	29,635	573
City Park	0.00	110,072,468
Parking Lot	0.00	0.00
City Park	0.00	0.00
City Park	0.00	15,041,156

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	404	—
Condo/Townhouse	56.1	—
Single Family Housing	162	—
Single Family Housing	44.8	—
Single Family Housing	148	—
Single Family Housing	273	—
Single Family Housing	189	—
Single Family Housing	140	—
Single Family Housing	224	—
Single Family Housing	151	—
Single Family Housing	165	—
Single Family Housing	109	—
Single Family Housing	28.3	—
Retirement Community	753	—
Single Family Housing	138	—
Single Family Housing	55.1	—
Apartments Low Rise	93.3	—
Apartments Mid Rise	56.1	—
Apartments Mid Rise	149	—
Strip Mall	131	—
Office Park	488	—
Elementary School	143	—
Government Office Building	9.30	—
Health Club	57.0	—

City Park	1.86	—
City Park	2.57	—
General Office Building	0.09	—
Government Office Building	4.65	—
City Park	0.08	—
General Light Industry	0.50	—
City Park	26.5	—
Parking Lot	0.00	—
City Park	0.64	—
City Park	2.67	—

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
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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

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
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
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
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
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
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

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
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
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
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
Retirement Community	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Retirement Community	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	0.00	1.00
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

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
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	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

5.16. 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
Grazing	Entisols	680	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Grassland	680	0.00

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Quercus acutifolia	63,936	0.00	0.00
Quercus acutifolia	-17,214	0.00	0.00

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	5.53	annual days of extreme heat
Extreme Precipitation	4.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	62.3	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A

Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	11.7
AQ-PM	8.00
AQ-DPM	8.70
Drinking Water	64.8
Lead Risk Housing	12.1
Pesticides	97.3
Toxic Releases	9.03
Traffic	9.21
Effect Indicators	—
CleanUp Sites	83.9
Groundwater	100
Haz Waste Facilities/Generators	96.5
Impaired Water Bodies	99.2
Solid Waste	83.5
Sensitive Population	—
Asthma	48.0
Cardio-vascular	15.8
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	63.0
Housing	5.01
Linguistic	45.4
Poverty	28.6
Unemployment	26.9

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	61.45258565
Employed	61.79905043
Median HI	72.86025921
Education	—
Bachelor's or higher	63.26190171
High school enrollment	17.87501604
Preschool enrollment	28.78224047
Transportation	—
Auto Access	70.20402926
Active commuting	84.53740536
Social	—
2-parent households	98.29334018
Voting	97.60041062
Neighborhood	—
Alcohol availability	93.08353651
Park access	5.646092647
Retail density	1.065058386
Supermarket access	18.22148082
Tree canopy	80.45682022
Housing	—
Homeownership	79.5970743
Housing habitability	80.75195688
Low-inc homeowner severe housing cost burden	44.56563583
Low-inc renter severe housing cost burden	90.87642756

Uncrowded housing	62.10701912
Health Outcomes	—
Insured adults	38.59874246
Arthritis	0.0
Asthma ER Admissions	56.5
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	44.8
Cognitively Disabled	52.2
Physically Disabled	27.7
Heart Attack ER Admissions	79.8
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	3.6
SLR Inundation Area	0.0

Children	87.0
Elderly	8.4
English Speaking	73.6
Foreign-born	32.0
Outdoor Workers	3.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.3
Traffic Density	8.8
Traffic Access	0.0
Other Indices	—
Hardship	31.5
Other Decision Support	—
2016 Voting	88.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	73.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Assumed 100% renewable solar and wind from Central Coast Community Energy (3CE).
Land Use	Per available project data.
Operations: Hearths	Per available project data.
Operations: Energy Use	Based on available project data. Residential units do not use any natural gas. Therefore, the total natural gas usage initially predicted by CalEEMOD for each residential land use was converted from kBTU/yr into kWh/yr and then added to the total electricity usage initially predicted by CalEEMOD for each residential land use.
Operations: Water and Waste Water	Per available project data.
Operations: Solid Waste	Per available project data.

Appendix E

CEQA GHG Checklist

EXHIBIT 2: 2030 CLIMATE ACTION PLAN CONSISTENCY CHECKLIST

County of Santa Barbara

CLIMATE ACTION PLAN CONSISTENCY CHECKLIST
for Future Development[1]

The County of Santa Barbara 2030 Climate Action Plan establishes 2030 and 2045 greenhouse gas (GHG) emissions targets and provides measures to establish a trajectory towards achieving those targets. The 2030 Climate Action Plan includes specific measures to achieve a GHG emissions target of 50 percent below 2018 levels by 2030. This is consistent with and exceeds California's goal of reducing GHG emissions to 40 percent below 1990 levels (per Senate Bill 32) by 2030 and provides substantial progress towards achieving the State GHG reduction goal of carbon neutrality (per Executive Order B-55-18) by 2045. The County Board of Supervisors, County staff, and community will continue to develop an approach to meet the State 2045 goal of carbon neutrality.

Over the years, the County has implemented many environmental programs. The 2030 Climate Action Plan establishes the continuation of some programs, expansion of other programs, and implementation of new programs to reduce GHG emissions.

Per the 2030 Climate Action Plan, the Santa Barbara County GHG Emissions Inventory will be updated at least every three years. In addition, the CAP will be updated every five to seven years with annual reviews of progress on implementation of specific Santa Barbara County measures and with respect to meeting emissions reduction targets.

Pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15183.5, a lead agency may determine that a project's or plan's incremental contribution to a cumulative effect is not cumulatively considerable if it complies with the requirements in a previously adopted plan or mitigation program under specified circumstances. In order for the 2030 Climate Action Plan to be considered a qualified GHG reduction strategy and provide for CEQA streamlining of GHG analysis for future development, the 2030 Climate Action Plan must identify those measures that are applicable to future development projects. The 2030 Climate Action Plan includes measures that are applicable to existing developments, municipal government operations, as well as mandatory measures to be applied to future development for public and private projects and plans. Mandatory GHG reduction measures that are applicable to future development are summarized in the following CEQA GHG Emissions Compliance Checklist (referred to herein as the CEQA GHG Checklist). This CEQA GHG Checklist identifies applicable regulations, applicability, requirements, and monitoring and reporting required by those regulations. The purpose of the CEQA GHG Checklist is to assist with determining project or plan consistency with the 2030 Climate Action Plan and provide a streamlined review process for proposed future development projects that are subject to discretionary review and trigger environmental review pursuant to CEQA.

This CEQA GHG Checklist contains measures that are required to be implemented on a Project-by-Project and Plan-by-Plan basis. Implementation of these measures would ensure that future development is

[1] Future development refers to any project or plan that is subject to discretionary review and triggers environmental review pursuant to CEQA.

consistent with 2030 Climate Action Plan assumptions and that the County is making progress toward achieving the identified GHG reduction targets. Projects or plans that are consistent with the 2030 Climate Action Plan as determined through the use of this CEQA GHG Checklist may rely on the programmatic 2030 Climate Action Plan Environmental Impact Report (EIR) GHG emissions analysis for the respective project- and cumulative-level GHG emissions impacts analysis. Inconsistency with any of the applicable measures in this CEQA GHG Checklist would make a Plan/Project inconsistent with the overall CEQA GHG Checklist. **Projects and plans that are identified as not consistent with the 2030 Climate Action Plan through the use of this CEQA GHG Checklist must prepare a project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions compared to the County GHG emissions thresholds outlined in the CEQA GHG Emissions Thresholds and Guidance Document (2024) and incorporation of the 2030 Climate Action Plan measures in this CEQA GHG Checklist to the extent feasible.**

Cumulative GHG emissions associated with construction from a land use development project are generally orders of magnitude lower than the operational emissions from a project because construction emissions are generally short in duration compared to the project's overall lifetime, and thus can be assessed qualitatively as part of related CEQA GHG emissions analysis. However, some projects may have long construction periods or entail large quantities of cut and fill that could result in construction-related GHG emissions that may be considered significant. Thus, the County retains the discretion on a project-by-project basis to consider whether a project's construction-related GHG emissions could be cumulatively considerable and require more detailed quantitative CEQA GHG emissions analysis and respective mitigation.

This CEQA GHG Checklist may be periodically updated to incorporate new GHG reduction techniques, to comply with later amendments to the CAP, or to reflect changes in other sustainability-focused local, State, or federal laws, regulations, ordinances, and programs. At a minimum, this CEQA GHG Checklist will be updated as needed to be consistent with 2030 Climate Action Plan timing.

APPLICATION COMPLETENESS REQUIREMENTS

The CEQA GHG Checklist will be a completeness requirement once it is determined if the project/plan is subject to CEQA review. The CEQA GHG Checklist is designed to assist the applicant in identifying the minimum 2030 Climate Action Plan and other applicable sustainability-focused requirements specific to a proposed project or plan. However, it may be necessary to supplement the completed CEQA GHG Checklist with supporting materials, calculations, or certifications to demonstrate compliance with 2030 Climate Action Plan and other applicable sustainability-focused requirements. If the minimum 2030 Climate Action Plan and other applicable sustainability-focused requirements are not already clearly committed to as part of the CEQA project description, the completed CEQA GHG Checklist will be included in the respective project or plan conditions of approval.

GENERAL PROJECT INFORMATION

Contact Information: Peter Kiesecker	
Project or Plan Name: Solomon Hills Project	
Address: Portions of Assessor Parcel Numbers (APNs) 101-020-085, 101-020-086, and 101-020-087	
Applicant Name and Co.: Solstra Communities CA, LLC	
Contact Phone: 805-456-4457	**Contact Email:** info@solomonhillsca.com
Was a consultant retained to complete this checklist? Yes☒ No☐ If Yes, complete the following:	
Consultant Name: _Greg Hauser_____ Company Name: _SCS Engineers_____	Contact Phone: _760-744-9611 x 3272__ Contact Email: __ghauser@scsengineers.com__

Project Information

What is the size of the project site or plan area (acres)?
Gross: ___1,615.6 (total specific plan)_____
Net: ____1,615.6 (total specific plan) ___

Identify all applicable proposed land uses:

- ☒ Residential (indicate # of single-family and multi-family dwelling units):
  __4,000_____
- ☒ Commercial (indicate total square footage, gross and net):
  __650,000 sf_____
- ☒ Other (describe):
  School, fire/sheriff station, fitness center, parks, roads, basins, cell tower, water reclamation facility, water storage, and sewer lift station.

Project description. This description should be consistent with the project description that will be used for the CEQA document. The description may be attached to the GHG Checklist if there are space constraints.

The Solomon Hills Project proposed total specific plan area is 1,615.6 acres of private land held by Solstra, Communities CA, LLC., currently used for oil production and seasonal grazing into a new innovative community in northern Santa Barbara County. A mix of 4,000 residential units are proposed to support a variety housing types for the community on approximately 474 acres. The total residential unit count addresses the current affordability gap that exists in the County. Approximately 650,000 square feet of commercial uses (125,00 sf retail and 525,000 sf office) are proposed on approximately 38.3 acres to support a vibrant community and jobs/housing balance. Critical public and institutional uses are proposed, including a school, fire/sheriff station, and water reclamation facility on approximately 32.8 acres. The community is planned to be built in phases which are addressed in the Specific Plan for the Project.

COMPLIANCE CHECKLIST TABLE

Section 1: COMPREHENSIVE PLAN AND ORDINANCE CONSISTENCY			
Regulation	**Requirements**	**Project/Plan Compliance[2]**	**Required Explanation [3]**
Comprehensive Plan	1a. Does the Project/Plan include a Comprehensive Plan, Zoning Map, or Ordinance Amendment ? If "No", proceed to Section 2 – CAP Strategies Consistency. If "Yes", proceed to question 1b.	Yes☒ No☐ N/A☐	The community is planned to be built in phases which are addressed in the Specific Plan for the Project.
Comprehensive Plan	1b. Does the Comprehensive Plan, Zoning Map, or Ordinance Amendment result in an equivalent or less GHG-intensive project when compared to the existing designation? Rezones involving increases in density (e.g., residential density) are an increase in GHG intensity. Rezones between non-density based zones (e.g., commercial zones) may be equivalent, but will depend on the proposed development.	Yes☐ No☒ N/A☐	Project site is currently zoned as AG-II-100 use and is currently used for oil production and seasonal grazing. Project proposes to repurpose and revitalize 1,615.6 acres into a new innovative community in northern Santa Barbara County.

[2] A Project/Plan that answers "No" to any question 1.b through 9 is determined inconsistent with the CAP and must prepare a Project/Plan-specific analysis of GHG emissions compared to the GHG emissions thresholds.

[3] Every question included in this checklist is required to be answered with explanation of either: 1) how it will be achieved, 2) why it will not be achieved, or 3) why it is not applicable.

Section 2: 2030 CLIMATE ACTION PLAN MEASURES CONSISTENCY			
Regulation	**Requirements**	**Project/Plan Compliance[2]**	**Required Explanation[3]**
Clean Energy			
County 2030 Climate Action Plan (Measure CE-1)	2. **All Project Types - Building Electrification.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) comply with 2030 Climate Action Plan Action CE-1.1 and be all-electric with no natural gas hookup?	Yes☐ No☒ N/A☐	All electric except for limited natural gas hookups in certain commercial operations.
County 2030 Climate Action Plan (Measure CE-1)	3. **All Project Types** - **Carbon Free Electricity.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) retain Central Coast Community Energy as the energy provider or otherwise utilize 100% carbon free electricity? Southern California Edison (SCE) and Pacific Gas and Electric (PG&E) both distribute power from Central Coast Community Energy.	Yes☒ No☐ N/A☐	Project includes solar panels on all buildings. Central Coast Community Energy will then provide supplemental clean and renewable electricity.
County 2030 Climate Action Plan (Measure TR-1) & County Municipal Code (Article XVII. - Expedited Permitting Procedures for Electric Vehicle Charging Station Review)	4. **All Project Types - EV Charging Infrastructure.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) meet or exceed the requirements of the California Green Building Standards Code, Title 24, Part 11, (CALGreen) Tier II for EV charging infrastructure? New single-family or two-family dwellings are not required to include EV charging infrastructure. Multi-family dwellings (more than three dwellings) and non-residential project must include EV charging infrastructure based on the project size.	Yes☒ No☐ N/A☐	All new construction per current building code (e.g., Title 24). EV ready chargers will be installed in all homes and throughout the community, including office and retail.

Section 2: 2030 CLIMATE ACTION PLAN MEASURES CONSISTENCY			
Regulation	**Requirements**	**Project/Plan Compliance[2]**	**Required Explanation[3]**
County 2030 Climate Action Plan (Measure TR-3)	5. **All Project Types - Off-Road Equipment Electrification.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) commit to the use of electrified off-road landscaping equipment (e.g., mowers, chippers, tractors) for ongoing operations and maintenance?	Yes☒ No☐ N/A☐	Project commits to use of electrified off-road landscaping equipment where feasible.
Housing & Transportation			
County 2030 Climate Action Plan (Measure TR-2) & County Environmental Thresholds and Guidelines Manual	6. **All Project Types- Reduce VMT**. Will the Project/Plan demonstrate consistency with the County's Thresholds of Significance for Transportation Impacts in the County Environmental Thresholds and Guidelines Manual by either: a. meeting the screening criteria for Vehicle Miles Traveled (VMT) to not require further analysis; or b. resulting in a reduction in VMT?	Yes☒ No☐ N/A☐	See the Project-specific traffic study.

Section 2: 2030 CLIMATE ACTION PLAN MEASURES CONSISTENCY			
Regulation	**Requirements**	**Project/Plan Compliance[2]**	**Required Explanation[3]**
County 2030 Climate Action Plan (Measure TR-2)	7. **Large Employers - Transportation Demand Management (TDM)**. If the Project/Plan will have 50 or more employees, will the Project/Plan (whether all new construction, remodel, or combination thereof) provide a commuter benefit program for employees with measures (such as subsidies for employees that bike, walk, or carpool, telework policy, and/or provide free transit passes for all employees) and achieve a 50-80% telework participation rate by eligible employees able to work remotely consistent with Connected 2050 RTP/SCS?	Yes☒ No☐ N/A☐	No building associated with any individual employer is being approved until a later stage in the entitlement process, so it is premature to adopt any transportation demand management plan. Future employers who qualify will provide such a plan.
Waste, Water, and Wastewater			
County 2030 Climate Action Plan (Measure W-1 and W-2)	8. **All Project Types - Residential & Commercial Landfill Diversion Rate Goal.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) meet current legislation and 2030 Climate Action Plan goals to properly sort and collect recyclables and organic waste, as applicable, to reduce communitywide landfilled organics 80% by 2030 and 100% by 2045 by providing dedicated space for organic waste and/or recycling receptacles? To find out your specific requirements based on project type and geographic area, please visit https://lessismore.org/organics/.	Yes☒ No☐ N/A☐	Project will meet current legislation and 2030 Climate Action Plan goals to properly sort and collect recyclables and organic waste, as applicable, to reduce communitywide landfilled organics 80% by 2030 and 100% by 2045 by providing dedicated space for organic waste and/or recycling receptacles.

Section 2: 2030 CLIMATE ACTION PLAN MEASURES CONSISTENCY			
Regulation	**Requirements**	**Project/Plan Compliance[2]**	**Required Explanation[3]**
County 2030 Climate Action Plan (Measure W-2)	9. **All Project Types - Residential & Commercial Organics Recycling Requirement.** Will the Project/Plan (whether all new construction, remodel, or combination thereof) meet SB 1383 legislation requirements by posting education signage, as applicable, and sorting and collecting organic waste, as applicable, to achieve 0.08 tons per capita compost procurement requirements for the unincorporated County? To find out your specific requirements based on project type and geographic area, please visit https://lessismore.org/organics/.	Yes☒ No☐ N/A☐	Project will comply as required.

Appendix F

Project Details

Updated Solomon Hills Project Description Summary and Other Updates for Solstra Consultants for Use in Amending Resource/Constraints Technical Reports

June 23, 2025

PLEASE INCLUDE THE BELOW PROJECT DESCRIPTION SUMMARY INTO TECHNICAL REPORTS OTHER INFORMATION HEREIN MAY BE REFERENCED OR USED BUT NOT MODIFIED. REFERENCE PLANS/DOCUMENTS NOTED IN SECTION 7 ARE FORTHCOMING

Project Background

The Santa Barbara County Planning Commission unanimously voted to accept a General Plan Amendment and Rezone application for processing in support of the Solomon Hills Project on March 8, 2023. This application acceptance allowed the further study of the Project more closely to demonstrate how the area is suitable for development. Extensive resource and infrastructure studies have been conducted to establish a new 1,616-acre urban area with access, utilities and other public services largely outside of public viewsheds. Based on the outcome of these studies and adherence to the County's Comprehensive Plan, the Project is designed to provide a mix of much needed attainable housing in a new sustainably designed community, inclusive of new parks, open space, new habitat conservation and restoration areas.

Project Description Summary

The Solomon Hills Project proposes to create Santa Barbara County's first new community that will result in a sustainable, resilient and healthy environment for its residents. The Project establishes a holistic framework for Smart Growth with a redevelopment of private lands historically used for grazing and oil and gas production. It's proposed Specific Plan includes the design and implementation of a central village closely surrounded by several neighborhoods, office and commercial space, a TK-8 school, fire/sheriff station, parks, open space and public trails to allow walking and biking as an easy alternative to vehicle transport.

The Project's proposed Specific Plan allows for a balance of land uses primarily serving working families allowing 4,000 single and multi-family residential units, 650,000 square feet of commercial retail and office use and space, 25.5-acres of public and institutional uses and space, and 1,023 acres of recreational and open space uses. Critical infrastructure includes water supply and a water reclamation facility, interchange improvements along Hwy 101, additional secondary access along Hwy 101 and Hwy 135 and several active and passive parks and public trails. Public benefits include developer sponsored Affordable housing near commercial and transportation access points, utility and access improvements that minimize traffic impacts to neighboring properties, new public trail access into the Orcutt Hills, recreational improvements and public access to the Newlove Picnic Grounds, the preservation of open space ridgelines and valleys for habitat protection and the abandonment and remediation of all oilfield features and operations. The Project is designed to be built in four (4) buildout phases over a fourteen-year period for the orderly delivery of the Project. Phased grading, access, utility, horizontal and public improvements are scheduled ahead of and to align with the same buildout phases.

Key Facts and Statistics about the Project

1. **Project Area**. The Project Area is located adjacent to and west of Highway 101, south of Orcutt by 0.7 miles, east of Highway 135 by 2 miles and north of Los Alamos by 6 miles. It encompasses portions of 5 legal parcels owned by Solstra Inc., including APN's 101-020-041, 043, 085, 086, and 087 totaling 4,195.2

acres. The Project Area is currently zoned AG-II-100 with a Land Use Designation of Agricultural Commercial (AC).

2. **Proposed Land Use Applications**. The owner and applicant, Solstra Communities California, LLC, is requesting the approval of the following legislative acts and land use cases:
   - The certification of a Programmatic Environmental Impact Report (PEIR),
   - General Plan Amendment (GPA) establishing the 1,616-acre Solomon Hills Specific Plan land use designation and new urban area;
   - Rezone (RZN) establishing a mix of new zone districts within the Specific Plan,
   - Specific Plan (SPP) detailing the zone district development standards, Objective Design Standards and Guidelines, post entitlement and implementation procedures,
     - *Please refer to the Solomon Hills Specific Plan by RRM dated (XX, XX, XXXX)*
   - Development Agreement (DA) for a 25-year development horizon and use of new Development Impact Fees,
     - *Please refer to the Development Agreement by Andrew Fogg, dated (XX, XX, XXXX)*
   - Vesting Tentative Map (VTTM) for the creation of large lot Planning Areas that identify future residential, commercial and public/institutional areas, common areas, open space areas and access and utility easements and connections,
     - *Please refer to the VTTM by RRM dated (XX, XX, XXXX)*
   - Conveyance Tentative Map (CTTM) for the purpose of the creation of large lots for early financing,
     - *Please refer to the CTTM by RRM dated (XX, XX, XXXX)*
   - Development Plan (DVP) to allow for well abandonment or re-abandonment and soil remediation surrounding approximately 80 oil & gas related features in the Specific Plan Area,
     - *Please refer to the Phase 1, Phase 2 and IRAP by Waterstone Environmental, dated (XX, XX, XXXX) related to the existing conditions and remediation program.*
   - Conditional Use Permit (CUP) for the installation of a wet weather basin and associated improvements,
     - *Please refer to the CUP/Preliminary Grading & Drainage Plans by RRM dated (XX, XX, XXXX)*
   - Conditional Use Permit for improvements to the existing New Love picnic grounds,
     - *Please refer to the CUP/Preliminary Grading & Drainage Plans by RRM dated (XX, XX, XXXX)*
   - Road Naming (RDN) for the naming of new private roads,
   - General Plan Consistency (GOV),
   - Board of Architectural Review (BAR) review of tract grading and landscaping, and Objective Design Standards and Design Guidelines within the Specific Plan, and, a
   - Land Use Permit (LUP) for offsite water line improvements
     - *Please refer to the LUP/Preliminary Grading & Drainage Plans by Wallace Group dated (May 25, 2025)*

3. **Project Objectives**[1]. The Project's primary and underlying purpose is to create a new community with a range of housing types, and a mix of commercial, office, public, quasi-public, recreational and open space uses. The Project's general objectives are as follows:
   - To maximize the opportunity to redevelop the Specific Plan Area from historic oil and gas operations to a vibrant new community to provide Santa Barbara County with significant new housing stock at densities that utilize and support the associated school, commercial, office, and public and open space uses.
   - To create a safe, walkable and bikeable community with cutting-edge sustainability, other design features and a balance of critical uses (residential, commercial, public/institutional) to support a healthy lifestyle for residents by promoting walking, biking and other alternative transportation,

[1] The general Project Objectives are subject to further clarification based on pending resource and constraints studies and Project refinement.

water and energy savings, safe alternative transit features such as extensive separated bike lanes and walkways, and fire-hardening and other design features which reduce wildfire risks.

- To deliver 4,000 new housing units for all segments of the population, particularly to address the current affordability gap for working families while promoting a strong job/housing balance with approximately 125,000 square feet of commercial retail and 525,000 square feet of commercial office.
- To facilitate the safe abandonment, or re-abandonment of oil and gas activity in the Specific Plan Area to promote consistency with California's 'managed decline' of fossil fuel extraction through the creation of a significant new community in the County.
- To cluster development with sufficient density and scale to designate substantial areas of open space and for habitat conservation, while also allowing for the creation of significant recreational amenities such as parks and recreation centers and a robust multi-modal paved and unpaved trail system to allow for walking, hiking, and cycling throughout the community, fostering an active and healthy outdoor-oriented lifestyle for residents.

4. **Phasing**. The Project includes a Phasing Plan for improvements that follows the orderly delivery of the Project, as is described in the attached chart[2]. Buildout improvements include future Projects approved with subsequent DVP's and/or TPM's within each large lot Planning Area. The components of the Project that are to be implemented over the four (4) phases are as follows:
   - Market Rate Residential Units
   - Affordable Housing Units
   - Retail and Office Commercial
   - Public/Institutional Uses
   - Infrastructure
   - Parks and Public Trails
   - Grading, VTTM Recordation and Large Lot Horizonal Tract Improvements include:
     - Vegetation Removal and Mitigation
     - Soil Remediation and Oil Well Abandonment or Re-abandonment
     - Streets, Curbs, Gutters, Utilities, Public Trails and Storm Water Controls
   - The start and duration of buildout phases are proposed below and the first phase is proposed to start within three years of all entitlement approvals by the County and LAFCO which are anticipated by the end of 2027. The post entitlement review and approval of improvement plans and tract recordation, and the subsequent review and approval of Planning Area DVP's and TPM's for the first buildout phase is anticipated to take approximately 2-years and grading and remediation of the first phase buildout area is anticipated to take approximately 1-year.
     - Phase 1 Buildout: 2031 – 2035 (5.2 years)
     - Phase 2 Buildout: 2036 – 2038 (2.9 years)
     - Phase 3 Buildout: 2039 – 2044 (5.7 years)
     - Phase 4 Buildout: 2045 (1 year)

5. **Specific Plan Area Allowable Uses and Densities**. Pursuant to Government Code Sections 65450–65457, the Solomon Hills Specific Plan (SHSP) proposes a land use plan and zone districts with associated goals, policies, and development standards to guide future development within the proposed Specific Plan boundary. Land uses are proposed, as follows, that include residential, commercial, institutional, recreational and open space as well as infrastructure that has been designed to accommodate the land uses.
   - Single-Family Residential uses are allowed in four (4) zone districts with a maximum density of 7.7 dwelling units per acre on a total of 406 acres.

[2] See Solomon Hills (PHASING PLAN) dated June 9, 2025

- Multi-Family Residential uses are allowed in two (2) zone districts with a maximum density of 24 dwelling units per acre on a total of 48 acres.
- Retail and Commercial Office uses are allowed in four (4) zone districts totaling approximately 650,000 square feet on a total of 36 acres.
- Public/Institutional uses are allowed in one (1) zone district on a total of 26 acres.
- Parks and Open Space uses are allowed in two (2) zone districts on a total of 1023 acres.

6. **Offsite Work & Areas**. The term 'offsite' herein refers to improvements or activities related to the Project that are outside of the Specific Plan Boundary. Existing zoning and land use designations will remain on all offsite areas and all improvements or activities, along with remaining oil and gas operations will continue with sufficient buffers, and shall be governed by in part by the Orcutt Community Plan and the Land Use & Development Code. Offsite areas are intentionally not included in the new Urban boundary so that a rural buffer remains which removes the potential for development expansion. The categories of offsite work include: 1) primary and secondary access improvements, 2) utility improvements for water, electricity, gas and telecommunications, 3) habitat protection for CTS mitigation and oak habitat mitigation, or 4) recreational improvements.

   - **Primary Access Improvements.** Primary access improvements include a new Highway 101 interchange approximately 2.3 miles south of the existing Clark Avenue/Hwy 101 interchange.
     - Construction of an overpass over Hwy 101 for both north and southbound ingress/egress along with acceleration and deceleration improvements within the existing Caltrans ROW, and,
     - 1 ~10-acre proposed easement area for public Hwy Interchange and Landscape Improvements to the east of the existing Caltrans ROW.

   - **Secondary Solomon Summit Improvements**. Public Improvements to the existing Solomon Summit Interchange within the Caltrans Right of Way consisting of road and landscape improvements.
     - 0.5 miles of private access and landscape frontage improvements within a 10.1-acre existing easement area (Union Oil) that parallels the west side of Hwy 101 from the southeastern border of the VTTM boundary to the Solomon Summit interchange

   - **Secondary Bicknell Road Improvements.** Secondary access improvements include connecting the western edge of the Specific Plan boundary to Highway 135 along Bicknell, Graciosa to San Antonio Road.
     - 1.1 miles of road access and landscape improvements along Bicknell Road (private) within an existing private roadway on Lot 1 including one culvert repair.
     - 2.3 miles of private access and landscape improvements within an existing 23.4-acre existing easement area (Premiere Agricultural Properties) west from the western edge of Lot 1 along Bicknell Road (private) to Graciosa Road
     - 1.8 miles of public access and landscape improvements within Graciosa Road (public) to San Antonio Road @ Hwy 135 (precise scope *TBD County Public Works*).
     - Public improvements to the Hwy 135/San Antonio Road intersection consisting of road and landscape improvements (precise scope *TBD Caltrans*)

   - **Utility Improvements – Water (Refer to Wallace Group "Solomon Hills Development Water Supply Pipeline" Plans dated June 19, 2025)**
     - <1 mile of the proposed underground Water Line Alignment Project on Lot 2 starting at the northern edge of Lot 2 and terminating at the Specific Plan Boundary in the vicinity of Orcutt Hill Road.
     - 9.3-miles of the proposed underground Water Line Alignment Project from the Tanglewood Turnout to the northern edge of Lot 2, to also include:
       - 1 Water Pump Station improvement on APN 105-330-001 (Orcutt Fee).

- 1 Water Pump Station and Tank Improvements on APN 101-020-077 (PCEC).

- **Utility Improvements – Electrical**
  - XX miles of overhead electrical lines within an existing easement on Lot 2 commencing at the western edge of Lot 2 and ending at the Specific Plan Boundary
  - XX miles of overhead electrical lines within an existing easement on APN 101-020-080 commencing at the Divide Substation and ending at the western edge of Lot 2.

- **Utility Improvements – Natural Gas**
  - 1.5 miles of proposed underground natural gas utilities on Lot 2 commencing at the northern edge of Lot 2 and ending at the western edge of the Specific Plan Boundary
  - 2.5-miles of proposed underground natural gas line extension commencing from Rice Ranch Road/Orcutt Hills Road to the northern edge of Lot 2 generally following Orcutt Hill Road and within an existing right of way (public).

- **Utility Improvements – Telecommunications**
  - 1.5 miles of proposed underground telecommunications utilities on Lot 2 commencing at the northern edge of Lot 2 and ending at the western edge of the Specific Plan Boundary
  - 2.5-miles of proposed underground telecommunications utilities from Rice Ranch Road/Orcutt Hills Road to the northern edge of Lot 2 generally following Orcutt Hill Road and within an existing right of way (public).

- **Utility Improvements – Storm Water** (Newlove Basin and Spray Fields – 25CUP-00006) one public recycled water public facility to be dedicated to the Laguna County Sanitation District to include a basin for 39.5 acre-feet of recycled water storage during periods of wet weather of approximately 7.5 acres. Water in the basin will be used for irrigation purposes, the basin will include a geosynthetic liner. Water will be delivered to the basin via an extension of the recycled water distribution system located within the Specific Plan boundary. A recycled water pump station will be installed immediately adjacent to the basin with a triplex pumping system capable of delivering 800 gallons per minute back to the recycled water distribution system serving the Solomon Hills development and Newlove Park. A 24-acre spray field will be developed west of and adjacent to water storage basin. Water held in the basin will be sent either to the adjacent spray field or returned to the recycled water distribution system for irrigation in other recycled water use areas. The spray field will consist of a piped sprinkler system split into separate irrigation blocks (for operational flexibility) with shallow buried mainline PVC pipes delivering water to above ground irrigation laterals feeding individual sprinkler heads. Grading consists of 155,420 cubic yards of cut, 11,400 cubic yards of fill and 144,000 cubic yards of export.

- **Habitat Protection – CTS Easements**
  - One 298-acre conservation easement for CTS and Western Spadefoot Toad for compensatory mitigation on Lot 2
  - One 208-acre conservation easement for CTS and Western Spadefoot Toad for compensatory mitigation on Lot 3

- **Habitat Protection – Oak Woodland Management (Creation or Enhancement – Refer to Dudek's Tree Acreage and Area Counts Jan 2025)**
  - 35.9 acres of oak woodland creation on Lot 1
  - 51.1-acres of oak woodland creation on Lot 2
  - 39.9 acres of oak woodland creation on Lot 3
  - 137.5-acres of oak woodland enhancement on Lot 1

- **Recreational Improvements** (Newlove Picnic Grounds – 25CUP-00006) improvements to the existing Newlove Picnic Grounds for rural recreational uses including the dedication of a 31-acre public access easement, and public trail segment, multi-use fields for soccer; pickleball courts; a playground; a 2-acre recreational lawn; improved parking spaces for 110 vehicles, an unimproved parking area for overflow parking; fencing and signage; utility connections for sewer and water; vegetation and tree removal; access improvements with retaining walls to allow for two-way vehicle and bicycle traffic and a sidewalk for pedestrians; secondary emergency access improvements and landscape plantings and irrigation and the re-abandonment of one (1) existing and abandoned oil well immediately adjacent to the 31-acre easement area to CalGEM standards for access. Grading consists of 56,340 cubic yards of cut and 68,660 cubic yards of fill and 12,320 cubic yards of import, along with storm water improvements.

7. **Reference Documents**. Please refer to the following plans and documents that further describe and/or depict the Project (to be updated in July 2025)

- Vehicle Miles Traveled and Local Transportation Analysis by Kimley-Horn, Revised (_____)
- San Antonio Road Traffic Analysis Memo by Kimley-Horn dated (_____)
- Interchange Triggers Assessment Memo by Kimley-Horn dated (_____)
- Water Supply Assessment Scope of Work Summary by H&H Environmental dated (_____)
- Water Supply Agreement between Cadiz and Solstra (Redacted) dated April 18, 2024
- Water Supply Agreement Amendment between Central Coast Water Authority and Southern California Water Company dated January 1, 1993
- Responses to Geotechnical Report by Engineering Geology dated November 7, 2024
- Responses to Water Demand, Wastewater Analysis and Waste Water Storage from Wallace, dated November 5, 2024
- Response to Water and Wastewater Utilities by Wallace dated January 15, 2024
- Agriculture Suitability and Production Report (Updated) from Althouse & Meade dated (_____)
- Phase I Archeological Assessment Updates/Addendums by Leftwich Archeology, dated (_____)
- Phase II Archeological Testing and Evaluation Addendum by Padre and Associates dated (_____)
- Biological Resources Assessment by David Wolff for the Newlove Area dated (_____)
- Oak Tree Management and Replacement Plan for the Solomon Hills Community by Dudek dated (_____)
- Golden Eagle Nest Report by Althouse & Meade dated (_____)
- Wildfire Evacuation Study by Dudek dated (_____)
- Fire Protection Plan by Dudek dated (_____)
- Updated Vesting Tentative Tract Map (VTTM) from RRM dated (_____)
- Updated Conveyance Tentative Tract Map (CTTM) from RRM dated (_____)
- Hydrology Report by RRM dated (_____)
- Offsite Wet Weather Storage Basin Plans for the CUP by RRM dated (_____)
- Newlove Park Plans for the CUP by RRM dated (_____)
- Major Changes to Specific Plan Memo by RRM dated (_____)
- Updated Specific Plan dated (_____)
- Response to Community Services Department (Parks) Comment Letter dated May 24, 2025
- Updated Development Agreement (MS Word/Clean) by Andrew Fogg dated (_____)
- Updated Development Agreement (PDF/Redlines) by Andrew Fogg dated (_____)

Solomon Hills Phasing Plan

Proposed Phasing of Residential, Commercial, Services, Grading, Remediation, Habitat Restoration

	Phase 1	Phase 2	Phase 3	Phase 4
SPECIFIC PLAN BOUNDARY				
RESIDENTIAL MARKET RATE (# Units 3,600 Total)	**1,332**	**729**	**1,463**	**76**
RESIDENTIAL MARKET RATE (Planning Areas)	**1, 2, 3, 4, 5, 6, 7, 9, 13, 16, 17, 18, 19, 22, 23, 24, 25, 55, 57, 58, 59, 60, 61, 66, 67, 68, 69, 70, 71, 78**	**62, 63, 64, 65**	**26, 27, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 77**	**75**
RESIDENTIAL INCLUSIONARY (# Units Deed Rest. 400 Total)	**135**	**70**	**145**	**50**
RESIDENTIAL INCLUSIONARY (Planning Areas Deed Rest.)	**PA 8, 14, 15**	**PA 8, 14, 15**	**PA 8, 14, 15**	**PA 8, 14, 15**
TOTAL RESIDENTIAL BOTH MARKET RATE AND INCLUSIONARY (4,000 Total)	**1,467**	**799**	**1,608**	**126**
COMMERCIAL RETAIL (125,000 Square Footage)	**10,000 (Self-Checkout Market, Coffee, Small Food)**	**15,000 (Various Services, Restaurant)**	**30,000 (Various Services, Grocery)**	**70,000 (Various Services, Restaurants)**
COMMERCIAL RETAIL (Planning Areas)	**12**	**12**	**10**	**10, 72, 73**
COMMERCIAL OFFICE (525,000 Square Footage)	**5,000**	**25,000**	**130,000**	**365,000**
COMMERCIAL OFFICE (Planning Areas)	**11, 56**	**21**	**21, 74**	**74, 76**
RESIDENTIAL POPULATION (11,060 Build-Out)	**4,150**	**1,899**	**4,647**	**364**
MAIN PARKS	**PA 80, 81 (Hillcrest, Central Park & Community Center)**	**PA 79 (Ridgeview Park)**	**PA 28 (School Joint Use Park)**	**PA 34 (Fitness Center / Pool)**
FIRE / SHERIFF STATION			**20**	
WATER RECLAMATION FACILITY	**PA 99 (Main Facility)**	**PA 99 (Expansion)**	**PA 99 (Expansion)**	**PA 99 (Expansion)**
TK-8 SCHOOL			**28**	
STUDENT GENERATION TK-8 (1,051 Build-Out)	**429**	**66**	**516**	**40**
PUBLIC TRAILS	**Public Access to Newlove Park and Trails within Park**	**Public Trails from Newlove Park Entrance/Orcutt Hill Road to Welcome Home Center**		**Public Trails from Welcome Home Center at Solomon Hills Parkway to Southern Specific Plan Boundary Near Hwy 101**
GRADING (VTTM 23.9 Million Cubic Yards)	**11.4 Million Cubic Yards**	**3.9 Million Cubic Yards**	**7.8 Million Cubic Yards**	**0.8 Million Cubic Yards**
GRADING (VTTM 941.8 Acres)	**418.5 (plus 9.8 Eng Fill)**	**158.3 (less 5.8 Eng Fill)**	**312.7 (plus 7.1 Eng Fill)**	**52.3 (less 11.1 Eng Fill)**
REMEDIATION by PHASE (TPH and Other Soil Removal Acre Feet)	**TBD**	**TBD**	**TBD**	**TBD**
OIL WELL ABANDONMENT AND REMEDIATION (Total 63 Wells)	**50**	**3**	**10**	**0**
OAK TREE IMPACTS / HABITAT ACREAGE (14,206 Total Number)	**7,826**	**1,076**	**5,228**	**76**
OAK TREE & HABITAT RESTORATION (675 Acres Total)	**371**	**54**	**243**	**7**
PHASE DURATION (Total Build-Out 14 Years)	**5.2**	**2.9**	**5.7**	**0.3**

Date: July 25, 2025

Solomon Hills Phasing Plan

Proposed Phasing of Specific Plan Roads and Off-Site Access Roads and Utilities

	Phase 1	Phase 2	Phase 3	Phase 4
SPECIFIC PLAN BOUNDARY ROADS				
Solomon Hills Parkway	2 Lanes from Mesa Ridge Road to Bluebell Street		All Lanes and Improvements from Mesa Ridge Road to Bluebell Street	Bluebell Street to Verde Hills Drive
Orcutt Hill Road	All Lanes from Highway 101 to Newlove Park Entrance			
Mesa Ridge Road	2 Lanes from Orcutt Hill Road to Southern SP Boundary		All Lanes and Improvements from Orcutt Hill Road to Southern SP Boundary	
Verde Hills Drive	All Lanes from Solomon Hills Parkway to Bluebell Street		All Lanes from Bluebell Street to Solomon Hills Parkway (south) and from Solomon Hills Parkway to Solomon Hills Parkway (north)	
Ridgeline Drive		Orcutt Hill Road to Verde Hills Drive		
Canyon Vista Drive		Solomon Hills Parkway to north extents of PA 61		Mesa Ridge Road to PA 61
Tansy Street	Solomon Hills Parkway to Verde Hills Drive (west)		Solomon Hills Parkway to El Campo Street	
Hops Street	Tansy Street to Bluebell Street			
Prarieflower Street	Solomon Hills Parkway to Verde Hills Drive (west)			
El Campo Street			Tansy Street to Filaree Street	
Sorrel Street			Verde Hills Drive (east) to El Campo Street	
Bluebell Street	Verde Hills Drive (west) to Solomon Hills Parkway		Verde Hills Drive (east) to Solomon Hills Parkway	
Filaree Street			Verde Hills Drive (east) to PA 37/38	
Verbena Street			Verde Hills Drive (west) to PA 26/27	
Careaga Road				Mesa Ridge Road to PA 76
Village Main Street	Solomon Hills Parkway to Hops Street (Entry and Interim)			Solomon Hills Parkway to Hops Street (Ultimate)
Planning Area Roads	Completed per DVP's in Each Phase	Completed per DVP's in Each Phase	Completed per DVP's in Each Phase	Completed per DVP's in Each Phase
OFF-SITE ACCESS ROADS TO SPECIFIC PLAN BOUNDARY				
Primary Access to Highway 101 (New Interchange)	Completed (If Existing Solomon Summitt Interchange not Available)		Completed (If Existing Solomon Summitt Available for Phases 1&2)	
Secondary Access to Highway 101 (Existing Solomon Summitt Interchange)	Mesa Ridge Road Completed to Existing Solomon Summitt Interchange (If Available)			
Secondary Access to Highway 135	Bicknell Road to Graciosa Road to Existing San Antonio Interchange			
FIRE EVACUATION ROUTE (Emergency Only)	Orcutt Hill Road to Rice Ranch Road			
OFF-SITE UTILITIES TO SPECIFIC PLAN BOUNDARY				
Potable Water	Tanglewood to Specific Plan Boundary			
Gas	Rice Ranch Road to Orcutt Hill Road to SP Boundary			
Broadband	Rice Ranch Road to Orcutt Hill Road to SP Boundary			
Electrical	Divide Substation at Highway 135 through existing or upgraded towers and lines to SP Boundary			
Recycled Water	Water Reclamation Plant in SP Boundary			

Date: July 25, 2025

Exhibit 2-2: Illustrative Plan with Conceptual Lotting

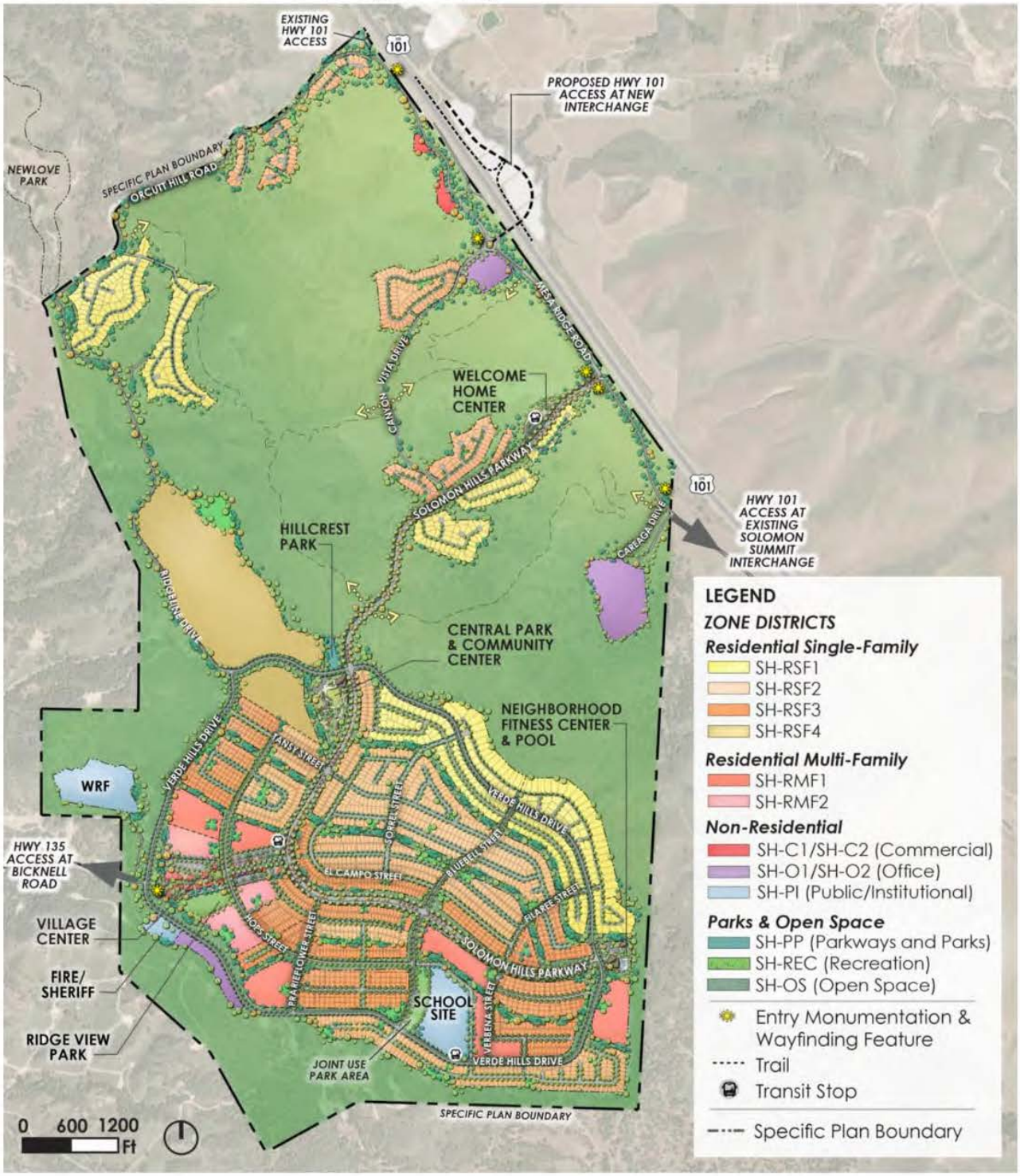
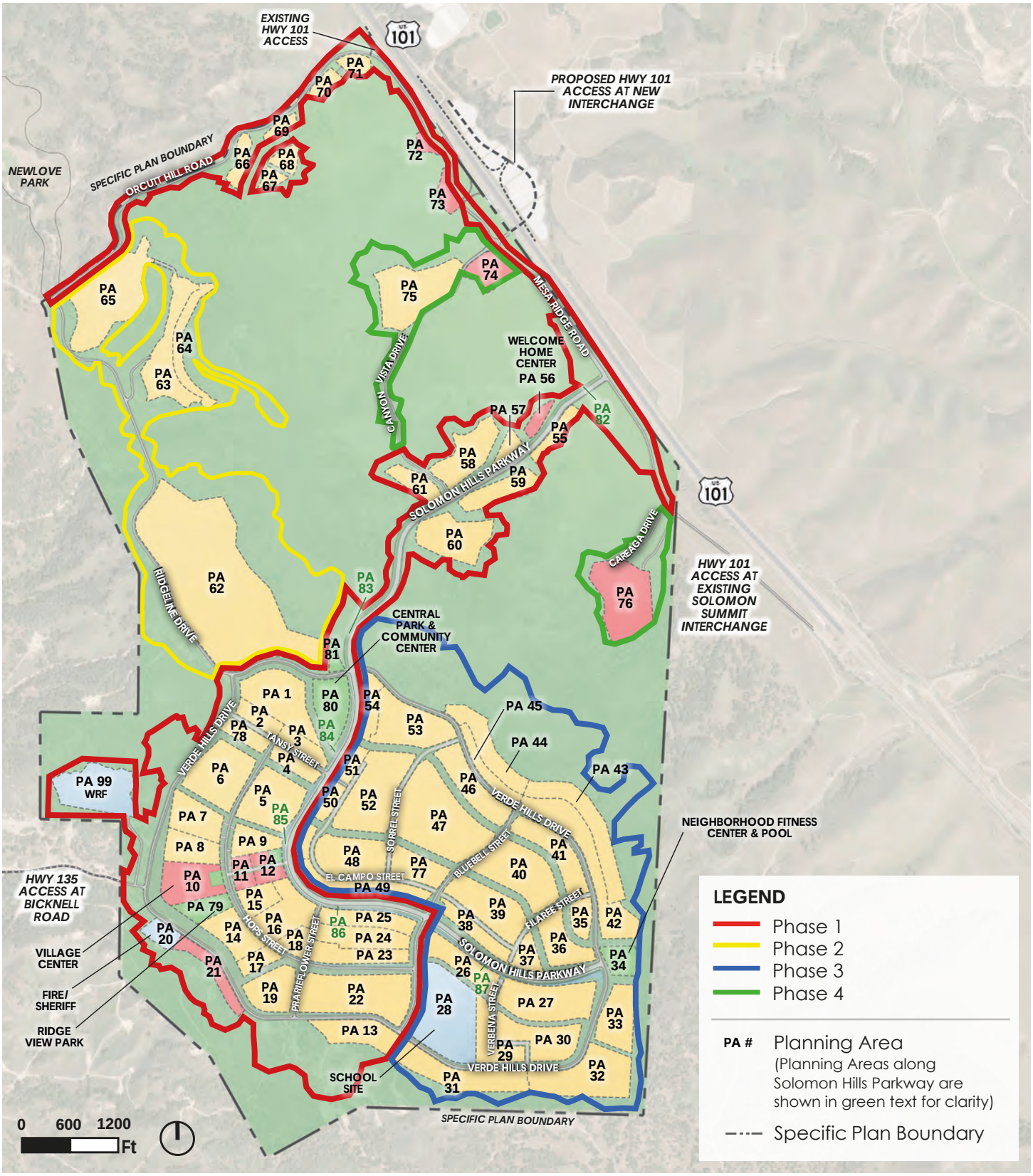


Exhibit 8-2: Phasing Plan



Solomon Hills

Housing Product Types / Home Sizes / Buildable Square Feet / Delivery Phase

July 14, 2025

Product Type	Type Housing	Home Configuration	# Units	% Units	Lot Size S.F.	Home Size S.F. Range	Avg Home Size SF	GROSS PAD VTTM Acres	NET PAD Acres	DU/Acre	Buildable Sq. Ft.	Lots by Phase					Buildable Square Footage by Phase				
												Phase 1	Phase 2	Phase 3	Phase 4	TOTAL	Phase 1	Phase 2	Phase 3	Phase 4	TOTAL
Townhomes																					
1. MF Townhomes (For Sale)	Attached	TH	541	14%	n/a	1500-2300	1767	30.1	27.0	20.0	955,947	236	-	305	-	541	417,012	-	538,935	-	955,947
2. MF Townhomes (Rental)	Rental Attached	TH	75	2%	n/a	1375-1575	1475	4.1	3.6	20.8	110,625	75	-	-	-	75	110,625	-	-	-	110,625
Sub-Total			**616**	**15%**			**1731**	**34.2**	**30.6**	**20.1**	**1,066,572**	**311**	**-**	**305**	**-**	**616**	**527,637**	**-**	**538,935**	**-**	**1,066,572**
Detached High Density																					
3. SFD Entry (For Sale)	SF-Detached	Alley load and 4/6 Packs	224	6%	3000	1600-1800	1700	23.2	21.7	10.3	380,800	224	-	-	-	224	380,800	-	-	-	380,800
4. SFD Entry (Rental)	Rental Detached	4/6 Packs	62	2%	3000	1500-1650	1575	5.4	5.0	12.4	97,650	62	-	-	-	62	97,650	-	-	-	97,650
5. SFD Entry	SF-Detached	Alley load and 4/6 Packs	205	5%	3200	1700-1900	1800	27.1	20.6	10.0	369,000	53	-	152	-	205	95,400	-	273,600	-	369,000
6. SFD Entry	SF-Detached	Alley load and 4/6 Packs	377	9%	3600	1800-2100	1950	47.6	41.9	9.0	735,150	153	-	224	-	377	298,350	-	436,800	-	735,150
Sub-Total			**868**	**22%**			**1823**	**103.3**	**89.2**	**9.7**	**1,582,600**	**492**	**-**	**376**	**-**	**868**	**872,200**	**-**	**710,400**	**-**	**1,582,600**
Detached Medium Density																					
7. SFD Entry	SF-Detached	Alley Load and Street Load	261	7%	4000	1900-2200	2100	30.4	29.2	8.9	548,100	118	-	143	-	261	247,800	-	300,300	-	548,100
8. SFD Entry	SF-Detached	Alley Load	193	5%	4500	2100-2300	2200	27.8	27.4	7.0	424,600	40	-	153	-	193	88,000	-	336,600	-	424,600
9. SFD Entry / Move-up	SF-Detached	Street Load	310	8%	5000	2200-2600	2400	55.1	54.1	5.7	744,000	104	-	130	76	310	249,600	-	312,000	182,400	744,000
10. SFD Entry / Move-up	SF-Detached	Street Load	209	5%	5500	2500-2900	2700	40.1	37.8	5.5	564,300	54	-	155	-	209	145,800	-	418,500	-	564,300
Sub-total			**973**	**24%**			**2344**	**153.4**	**148.5**	**6.6**	**2,281,000**	**316**	**-**	**581**	**76**	**973**	**731,200**	**-**	**1,367,400**	**182,400**	**2,281,000**
Detached Low Density																					
11. SFD Move-Up	SF-Detached	Street Load	228	6%	6000	2900-3400	3250	48.9	45.0	5.1	741,000	83	80	65	-	228	269,750	260,000	211,250	-	741,000
12. SFD Move-Up	SF-Detached	Street Load	151	4%	8000	3500-4000	3750	40.1	39.0	3.9	566,250	-	54	97	-	151	-	202,500	363,750	-	566,250
13. SFD Estate	SF-Detached	Street Load	39	1%	12000	3900-4200	4050	15.4	15.4	2.5	157,950	-	-	39	-	39	-	-	157,950	-	157,950
Sub-Total			**418**	**10%**			**3505**	**104.4**	**99.4**	**4.2**	**1,465,200**	**83**	**134**	**201**	**-**	**418**	**269,750**	**462,500**	**732,950**	**-**	**1,465,200**
55+ Buyer (Active Adult)																					
14. Active Adult MF (duplex)	Attached	Duplex	375	9%	5850	1400-1600	1500	30.0	29.0	12.9	562,500	75	300		-	375	112,500	450,000	-	-	562,500
15. Active Adult	SF-Detached	Street Load	250	6%	3600	1600-1850	1750	22.5	22.2	11.3	437,500	55	195		-	250	96,250	341,250	-	-	437,500
16. Active Adult	SF-Detached	Street Load	100	3%	5000	2000-2200	2100	12.7	12.5	8.0	210,000	-	100		-	100	-	210,000	-	-	210,000
Sub-Total			**725**	**18%**			**1669**	**65.2**	**63.7**	**11.4**	**1,210,000**	**130**	**595**	**-**	**-**	**725**	**208,750**	**1,001,250**	**-**	**-**	**1,210,000**
Total Market Rate Products			**3,600**	**90%**			**2,113**	**460.5**	**431.4**	**8.3**	**7,605,372**	**1,332**	**729**	**1,463**	**76**	**3,600**	**2,609,537**	**1,463,750**	**3,349,685**	**182,400**	**7,605,372**
Inclusionary Housing																					
17. RHNA Low	Attached	Apartment	125	3%	n/a	650	650	4.9	4.7	26.6	81,250	42	22	45	16	125	27,300	14,300	29,250	10,400	81,250
18. RHNA Med	Attached	Apartment	75	2%	1500	800	800	3.3	5.2	14.4	60,000	25	13	27	10	75	20,000	10,400	21,600	8,000	60,000
19. RHNA High	Attached	Apartment	200	5%	2500	950	950	5.3	3.1	64.5	190,000	68	35	73	24	200	64,600	33,250	69,350	22,800	190,000
Total Inclusionary Products			**400**	**10%**			**828**	**13.5**	**13.0**	**30.8**	**331,250**	**135**	**70**	**145**	**50**	**400**	**111,900**	**57,950**	**120,200**	**41,200**	**331,250**
TOTAL RESIDENTIAL			**4,000**	**100%**			**1,984**	**474.0**	**444.4**	**9.0**	**7,936,622**	**1,467**	**799**	**1,608**	**126**	**4,000**	**2,721,437**	**1,521,700**	**3,469,885**	**223,600**	**7,936,622**

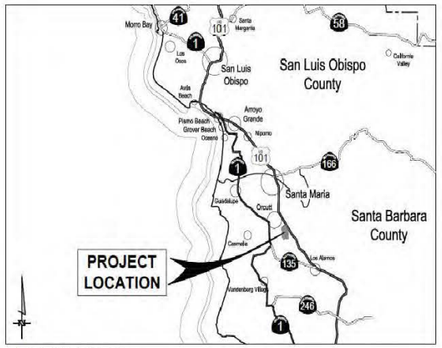
Commercial (Office = 525,000, Retail = 125,000)	38.3	650,000		15,000	40,000	160,000	435,000	650,000			
School	16.4	110,000		-	-	110,000	-	110,000			
Fire/Sheriff Station	2.2	10,000		-	-	10,000	-	10,000			
Fitness Center	3.0	10,000		-	-	-	10,000	10,000			
Parks	21.6							-			
Roads	93.1							-			
Caltrans ROW	6.9							-			
Basins	29.9							-			
Cell Tower	1.4							-			
Water Reclamation Facility	14.2	5,000		5,000	-	-	-	5,000			
Water Storage	0.9							-			
Sewer Lift Station	0.1							-			
TOTAL OTHER DEVELOPMENT	**228.0**	**785,000**		**20,000**	**40,000**	**280,000**	**445,000**	**785,000**			

Private Slopes	308.5										
Private Open Space	605.1										
TOTAL OPEN SPACE	**913.6**										

TOTAL SPECIFIC PLAN	**1,615.6**	**8,721,622**		**2,741,437**	**1,561,700**	**3,749,885**	**668,600**	**8,721,622**			

solomon hills

COUNTY OF SANTA BARBARA, CALIFORNIA
VESTING TENTATIVE TRACT MAP NO. TM 14,909
PLANNING CASE NO. 24TRM-00006



VICINITY MAP N.T.S.

BENCHMARK

THE BENCHMARK FOR THIS SURVEY IS THE TOP OF A MAG NAIL AND SHINER AT THE CENTER OF A PAINTED "X", SET AT THE ENTRANCE TO LAS FLORES RANCH PARK ALONG HIGHWAY 101, IN THE NORTHERLY EDGE OF PAVEMENT. SAID POINT IS KNOWN AS NUMBER 6, WITH AN ELEVATION ESTABLISHED VIA OPUS SOLUTION (NAVD88). ELEVATION IS 940.86 FEET.

BASIS OF BEARING

THE BASIS OF BEARINGS FOR VESTING TENTATIVE TRACT MAP NO. 14,909 BEING RECORD DATA AS SHOWN ON RECORD OF SURVEY, R.S. 145/77-79.

EXISTING PARCEL INFORMATION

APN	AREA	EXISTING LAND USE	EXISTING ZONING	GENERAL PLAN DESIGNATION
101-020-041	127.18 AC	OIL PRODUCTION	AG-II-100	A-II-100
101-020-043	72.17 AC	OIL PRODUCTION	AG-II-100	A-II-100
101-020-085	1,906.49 AC	OIL PRODUCTION	AG-II-100	A-II-100
101-020-086	1,145.15 AC	OIL PRODUCTION	AG-II-100	A-II-100
101-020-087	944.21 AC	OIL PRODUCTION	AG-II-100	A-II-100
TOTAL	4,195.20 AC			

PROJECT DESCRIPTION

THIS PROJECT PROPOSES TO SUBDIVIDE THREE PARCELS (101-020-041 AND 043, AND 101-020-085 THROUGH 87) INTO 150 LOTS AND THREE REMAINDERS. THIS WILL RESULT IN SUBDIVIDING 1,615.6 ACRES INTO 150 LOTS. REMAINDER PARCEL 1 WILL CONTAIN 1,399.93 ACRES AND REMAINDER PARCEL 2 WILL CONTAIN 692.92 ACRES AND REMAINDER PARCEL 3 WILL CONTAIN 287.4 ACRES. THE REMAINDER PARCELS WILL RETAIN THEIR EXISTING GENERAL PLAN DESIGNATIONS AND ZONING. THE SUBDIVISION OF 1,615.6 ACRES WILL SUPPORT APPROXIMATELY 4,000 NEW HOMES, 125,000 SQUARE FEET OF SUPPORTIVE COMMERCIAL USES, AND 525,000 SQUARE FEET OF OFFICE SPACE SUBJECT TO BOARD OF SUPERVISORS APPROVAL OF ACCOMPANYING ENTITLEMENT APPLICATIONS. THE PROJECT PROPOSES PUBLIC/INSTITUTIONAL USES, INCLUDING A WATER RECLAMATION FACILITY, FIRE STATION/SHERIFF SUBSTATION, AND A SCHOOL. SEE PROPOSED LAND USE AND LOTS PER TABLE BELOW:

DESIGNATION	LOT NUMBER	TOTAL LOTS	TOTAL ACRES	PERCENT OF SUBTOTAL ACREAGE
RESIDENTIAL	1-9,13-19,22-27,29-33,35-55,57-71,75, 77-78	66	473.9	24.90%
COMMERCIAL	10-12,21,56,72-74,76	9	38.3	2.01%
SCHOOL	28	1	16.4	0.86%
FIRE/ SHERIFF STATION	20	1	2.2	0.12%
FITNESS CENTER	34	1	3.0	0.16%
PARK (P)	79-87	9	21.6	1.14%
ONSITE ROADS/ PARKWAY (R)	88-91,93-96	8	93.1	4.89%
CALTRANS ROW (R)	92	1	6.9	0.36%
BASINS (PF)	101-108	8	29.9	1.57%
PRIVATE MAINT SLOPE LOT (OS)	110-111,113-126,132-136,139-161	44	308.5	16.21%
PRIVATE MAINT OPEN SPACE (OS)	109,112,127-131,137-138	9	605.1	31.80%
CELL TOWER (PF)	97	1	1.4	0.08%
WATER STORAGE (PF)	98	1	0.9	0.05%
WATER RECLAMATION FACILITY (PF)	99	1	14.2	0.75%
SEWER LIFT STATION (PF)	100	1	0.1	0.00%
SPECIFIC PLAN TOTAL		161	1,615.6	84.90%
ORCUTT COMMUNITY PLAN (X)	REMAINDER PARCEL 3		287.4	15.10%
SUBTOTAL			1,903.0	100%
REMAINDER PARCEL 1			1599.28	
REMAINDER PARCEL 2			692.92	
TOTAL			4195.20	

NOTE: REFER TO SHEET C-10 FOR NET VS GROSS LOT AREA TABLE.

OWNER & APPLICANT

KLAUS HASBO, CHIEF EXECUTIVE OFFICER
SOLSTRA COMMUNITIES CALIFORNIA, LLC
1555 ORCUTT HILL ROAD
ORCUTT, CA 93455

CONTACT PERSON:
PETER KIESECKER
PHONE: (805) 937 - 2576

PREPARED BY

RRM DESIGN GROUP
3765 S. HIGUERA STREET
SAN LUIS OBISPO, CA 93401

CONTACT PERSON(S):
TIM WALTERS OR KEVIN ANDERSON
PHONE: (805) 543 -1794

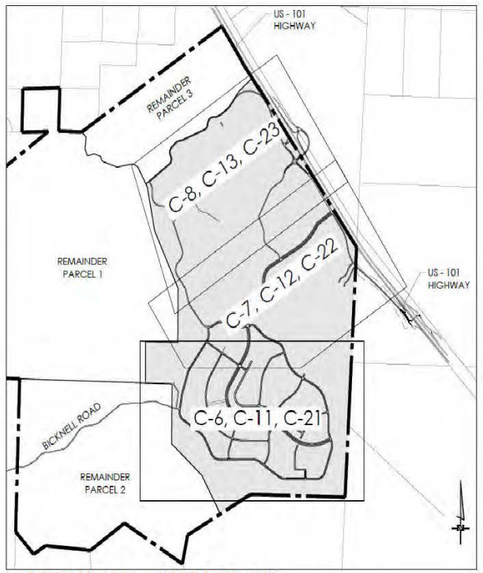
PLANS PREPARED UNDER
THE SUPERVISION OF:

STEVEN B. WEBSTER, L.S. NO. 7561
RRM DESIGN GROUP
(805) 543-1794

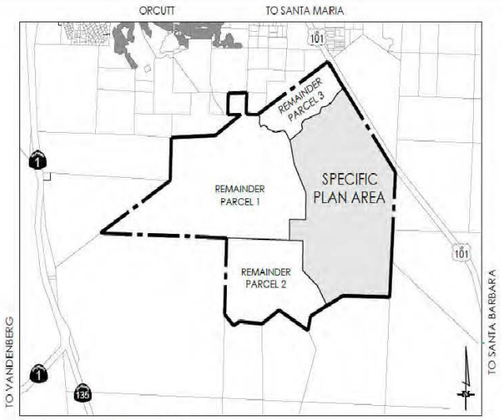
LICENSED LAND SURVEYOR — STEVEN B. WEBSTER — LIC. NO. 7561 — STATE OF CALIFORNIA

UTILITY COMPANIES

ELECTRIC..... PACIFIC GAS & ELECTRIC COMPANY
TELEPHONE..... AT&T
CABLE..... FRONTIER
GAS..... SOUTHERN CALIFORNIA GAS COMPANY
SEWER..... LAGUNA COUNTY SANITATION DISTRICT
WATER..... GOLDEN STATE WATER COMPANY



OVERALL SITE - SHEET LAYOUT N.T.S.



PROJECT LOCATION N.T.S.

SHEET INDEX

SERIES - SHEET NUMBER	SHEET NAME
C-1	TITLE SHEET
C-2	EXISTING BOUNDARY
C-3	EXISTING CONDITIONS
C-4	EXISTING CONDITIONS
C-5	VESTING TENTATIVE TRACT MAP
C-6	VESTING TENTATIVE TRACT MAP
C-7	VESTING TENTATIVE TRACT MAP
C-8	VESTING TENTATIVE TRACT MAP
C-9	PHASING PLAN
C-10	GRADING PHASING PLAN
C-11	GRADING & DRAINAGE
C-12	GRADING & DRAINAGE
C-13	GRADING & DRAINAGE
C-14	OFFSITE ACCESS
C-15	OFFSITE ACCESS
C-16	SOLOMON SUMMIT ACCESS
C-17	TYPICAL GRADING DETAILS
C-18	STREET SECTIONS
C-19	GRADING SECTIONS
C-20	COMPOSITE UTILITIES
C-21	COMPOSITE UTILITIES
C-22	COMPOSITE UTILITIES
C-23	COMPOSITE UTILITIES
C-24	WELL ACCESS PLAN
C-25	WELL ACCESS PLAN
C-26	STORMWATER CONTROL PLAN NORTH
C-27	STORMWATER CONTROL PLAN SOUTH

MASTER LEGEND

NOTE: LINEWEIGHTS MAY VARY (SUBJECT TO DRAWING SCALE PER SHEET SERIES)

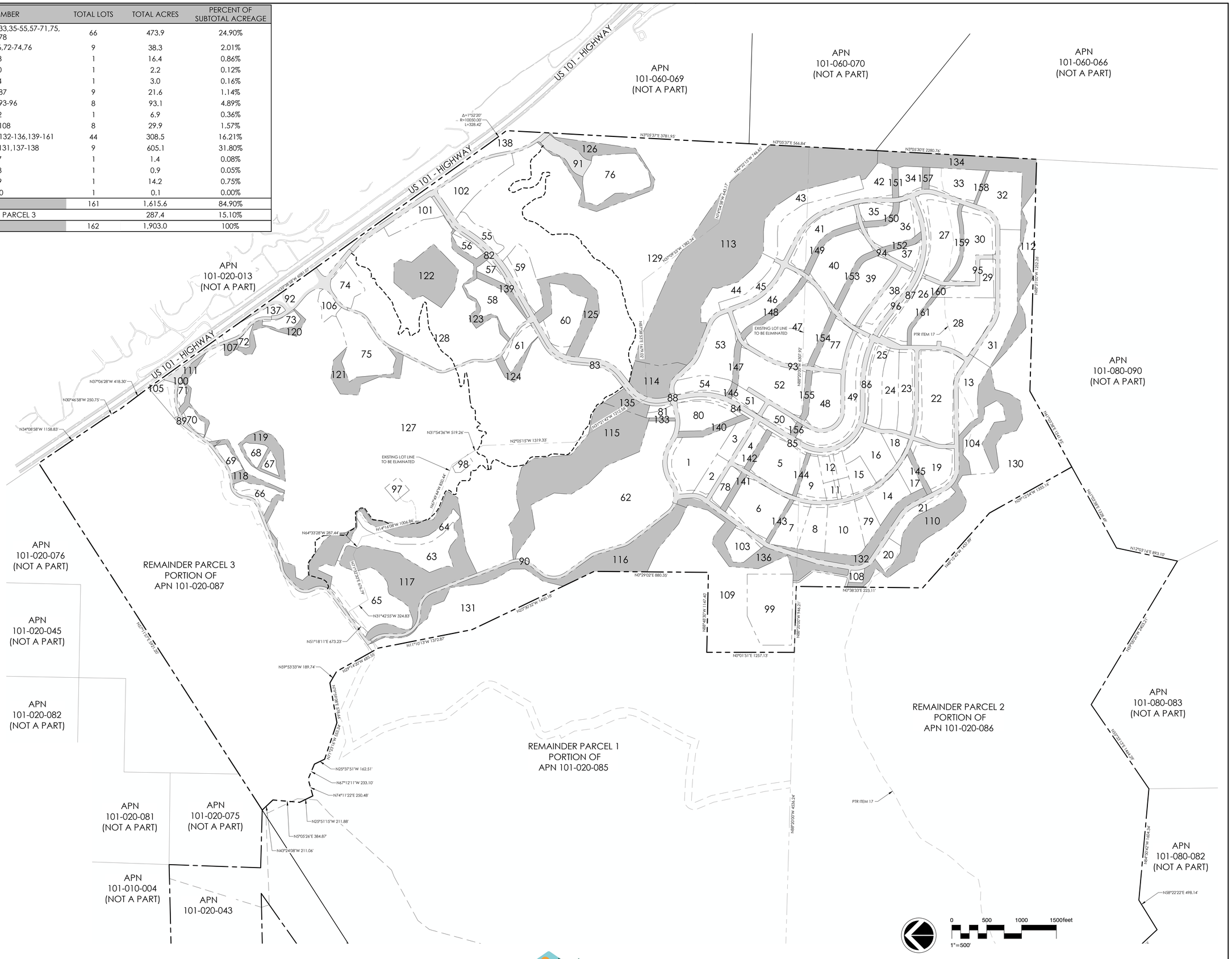
- TRACT BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED EASEMENT
- ONSITE OIL WELL TO BE ABANDONED
- ABANDONED ONSITE OIL WELL
- EXISTING OIL WELL
- PROPOSED 10" DUCTILE IRON DISTRIBUTION WATER MAIN (U.N.O.)
- PROPOSED 8" SDR-35 SEWER GRAVITY MAIN
- PROPOSED 4" DUCTILE IRON SEWER FORCE MAIN
- PROPOSED 8" DUCTILE IRON RECYCLED WATER MAIN
- PROPOSED 6" FIRE WATER LATERAL
- PROPOSED STORM DRAIN, SIZE PER PLAN
- PROPOSED CONVEYANCE SWALE
- PROPOSED PIPE OR CULVERT ROAD CROSSING WITH HEADWALLS (N.T.S.)
- PROPOSED 10' PUBLIC TRAIL & EASEMENT PER DETAIL ON SHEET C-17. FINAL LOCATIONS TBD
- PROPOSED 48" SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED STORM DRAIN CATCH BASIN
- PROPOSED STREET LIGHT
- PROPOSED CULVERT ROCK SLOPE PROTECTION (N.T.S.)
- PROPOSED ENERGY DISSIPATOR (N.T.S.)
- PROPOSED STORM DRAIN MANHOLE PER S.B. COUNTY STANDARDS

DESIGNATION	LOT NUMBER	TOTAL LOTS	TOTAL ACRES	PERCENT OF SUBTOTAL ACREAGE
RESIDENTIAL	1-9,13-19,22-27,29-33,35-55,57-71,75, 77-78	66	473.9	24.90%
COMMERCIAL	10-12,21,56,72-74,76	9	38.3	2.01%
SCHOOL	28	1	16.4	0.86%
FIRE/ SHERIFF STATION	20	1	2.2	0.12%
FITNESS CENTER	34	1	3.0	0.16%
PARK (P)	79-87	9	21.6	1.14%
ONSITE ROADS/ PARKWAY (R)	88-91,93-96	8	93.1	4.89%
CALTRANS ROW (R)	92	1	6.9	0.36%
BASINS (PF)	101-108	8	29.9	1.57%
PRIVATE MAINT SLOPE LOT (OS)	110-111,113-126,132-136,139-161	44	308.5	16.21%
PRIVATE MAINT OPEN SPACE (OS)	109,112,127-131,137-138	9	605.1	31.80%
CELL TOWER (PF)	97	1	1.4	0.08%
WATER STORAGE (PF)	98	1	0.9	0.05%
WATER RECLAMATION FACILITY (PF)	99	1	14.2	0.75%
SEWER LIFT STATION (PF)	100	1	0.1	0.00%
SPECIFIC PLAN TOTAL		161	1,615.6	84.90%
ORCUTT COMMUNITY PLAN (X)	REMAINDER PARCEL 3		287.4	15.10%
SUBTOTAL		162	1,903.0	100%

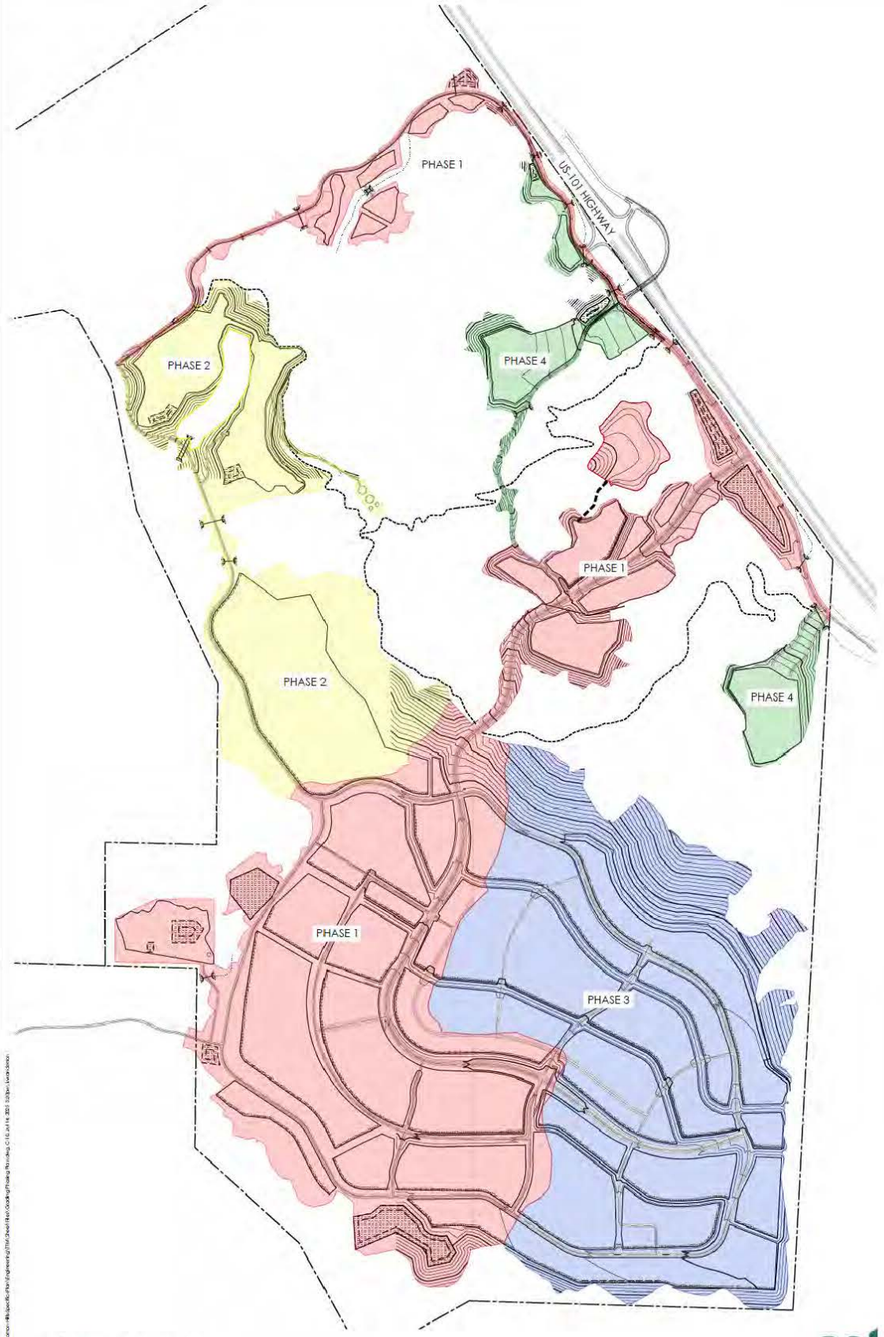
NOTE: REFER TO SHEET C-10 FOR NET VS GROSS LOT AREA TABLE
PF = PUBLIC FACILITY, PUBLICLY OWNED AND MAINTAINED
MAINT = MAINTAINED

LEGEND

- TRACT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED 10' PUBLIC TRAIL & EASEMENT. EASEMENTS WILL BE 10' WIDE, OFFSET 5' FROM TRAIL CENTERLINE ON EITHER SIDE OF THE 6' WIDE TRAIL. SEE TRAIL DETAIL ON SHEET C-17. FINAL LOCATIONS TBD.
- EXISTING LOT BOUNDARY
- EXISTING EASEMENT
- PROPOSED ROAD
- PROPOSED GRADED LOT



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EARTHWORK BY PHASE

EW Phase	Area (ac)	Raw Cut (CY)	Raw Fill (CY)	Adjusted Fill (CY) (10%)	Adjusted Fill (CY) (20%)	Net
1	422.9	11,917,000	9,500,800	10,450,880	11,400,900	516,100
2	151.1	3,561,273	3,306,386	3,637,024	3,967,681	406,408
3	313.0	8,184,545	6,496,573	7,146,230	7,795,887	388,658
4	50.0	306,200	686,100	754,710	823,300	517,100
Total	937.0	23,969,000	19,989,900	21,988,890	23,987,800	-

EARTHWORK BALANCE NECESSITATES BORROWING OR STOCKPILING FOR ANY PHASE FROM ANY OTHER GIVEN PHASE.

QUANTITY ESTIMATES ON THESE PLANS ARE TO BE USED FOR PERMIT PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL QUANTITIES FOR THE PURPOSE OF CONSTRUCTION.

THE RAW EARTHWORK QUANTITIES SHOWN HEREON REPRESENT THE ESTIMATED VOLUMETRIC DIFFERENCE BETWEEN THE PROPOSED ROUGH GRADE AND THE LIMITED TOPOGRAPHIC EXISTING GRADES. THESE ESTIMATES DO NOT MAKE CONSIDERATIONS FOR LOSSES OR BULKING DUE TO: SHRINKAGE, SOIL AMENDMENTS, STABILIZATION, CONSTRUCTION TECHNIQUE, FOOTING & TRENCHING SPOILS, PROPOSED ROAD SECTION, ETC. THESE, IN ADDITION TO ACTUAL FIELD CONDITIONS AND THE FINAL RECOMMENDATIONS OF THE SOILS ENGINEER MAY SIGNIFICANTLY EFFECT THE FINAL IMPORT/EXPORT QUANTITIES.

GRADING PHASING NOTES

1. SEE GRADING & DRAINAGE PLAN FOR STREET SECTION REFERENCES AND NAMES.
2. GRADING PHASES ARE DIFFERENT FROM DEVELOPMENT PHASES. REFER TO SHEET C-9 FOR CONSTRUCTION PHASING. PROPOSED GRADING AREAS WERE DELINEATED IN ORDER TO BALANCE EACH EARTHWORK PHASE INDIVIDUALLY.
3. SHRINKAGE FACTOR ASSUMED TO BE 20% FOR PLANNING PURPOSES.
4. CONTOURS SHOWN ON A 10' INTERVAL.

Pad vs Total Lot Areas

Lot Number	Pad Area (AC)	Lot Area (AC)
1	9.7	11.1
2	2.6	2.9
3	2.7	2.8
4	2.5	2.6
5	9.1	9.5
6	9.8	10.5
7	4.8	5.1
8	4.7	4.9
9	3.6	4.1
10	8.1	8.3
11	2.2	2.4
12	3.1	3.2
13	6.2	6.2
14	5.2	5.3
15	3.1	3.3
16	7.1	7.2
17	2.2	2.2
18	2	2.0
19	5.7	6.8
20	2.2	2.2
21	3.5	3.5
22	14.2	16.2
23	5.3	6.2
24	5.8	5.9
25	4.8	5.5
26	5.6	6.5
27	10.4	12.0
28	16.2	16.4
29	4.6	5.0
30	7.6	8.9
31	11.7	11.7
32	9.3	9.3
33	6.3	6.7
34	2.9	3.0
35	2.4	2.6
36	5.5	6.3
37	2.1	2.5
38	3.6	5.5
39	8.8	8.9

Lot Number	Pad Area (AC)	Lot Area (AC)
40	11	11.2
41	6.7	7.4
42	11	11.1
43	9	9.0
44	6.4	6.4
45	2.8	2.8
46	6.6	6.7
47	18.2	18.4
48	7.7	7.8
49	7.7	10.6
50	1.9	2.3
51	1.9	2.1
52	12.3	12.4
53	9.3	9.4
54	3.7	4.1
55	2.7	2.7
56	1.4	1.8
57	1.4	1.7
58	7.4	7.4
59	5.3	6.2
60	8.4	9.1
61	3.1	3.7
62	54	54.1
63	9.4	10.1
64	4.1	4.1
65	15.3	16.8
66	2.2	3.3
67	1.1	1.1
68	1.7	1.8
69	1.4	1.7
70	1.4	1.7
71	0.8	0.9
72	0.8	0.8
73	1.7	1.8
74	4.2	4.3
75	12	12.0
76	12	12.0
77	5.1	5.2
78	2.4	2.5

Lot Number	Lot Area (AC)
P-79	3.2
P-80	6.7
P-81	1.5
P-82	2.1
P-83	2.3
P-84	1.1
P-85	1.6
P-86	1.1
P-87	2.1
R-88	46.9
R-89	7.1
R-90	4.8
R-91	3.7
R-92	6.9
R-93	7.0
R-94	3.3
R-95	1.9
R-96	18.4
PF-97	1.4
PF-98	0.9
PF-99	14.2
PF-100	0.1
PF-101	4.1
PF-102	9.0
PF-103	3.8
PF-104	6.7
PF-105	2.6
PF-106	2.0
PF-107	0.7
PF-108	0.8
OS-109	39.9
OS-110	22.2
OS-111	2.2
OS-112	3.5
OS-113	76.3
OS-114	6.5
OS-115	31.4
OS-116	18.4
OS-117	35.2
OS-118	3.3
OS-119	4.1
OS-120	2.4

Lot Number	Lot Area (AC)
OS-121	4.8
OS-122	12.0
OS-123	3.7
OS-124	1.8
OS-125	9.2
OS-126	7.5
OS-127	274.9
OS-128	57.8
OS-129	140.1
OS-130	52.9
OS-131	23.9
OS-132	6.9
OS-133	0.4
OS-134	17.9
OS-135	2.8
OS-136	9.6
OS-137	3.6
OS-138	8.7
OS-139	1.7
OS-140	2.1
OS-141	1.3
OS-142	1.3
OS-143	1.0
OS-144	0.9
OS-145	1.2
OS-146	0.5
OS-147	1.2
OS-148	2.6
OS-149	2.3
OS-150	1.4
OS-151	0.9
OS-152	1.3
OS-153	2.2
OS-154	1.7
OS-155	1.5
OS-156	0.4
OS-157	0.8
OS-158	0.5
OS-159	1.6
OS-160	0.3
OS-161	1.1
OS-162	287.4

0 500 1000 1500 feet
1"=500'

rrm

solomon hills

July 14, 2025

VESTING TENTATIVE TRACT MAP NO. 14,909
GRADING PHASING PLAN

C-10