

# Air Quality and Greenhouse Gas Impact Analysis

---

## Rocklin Corporate Center Rezone and General Plan Amendment Project

Prepared for:  
Lowell Development

September 2020

Prepared by



1501 SPORTS DRIVE, SUITE A, SACRAMENTO, CA 95834

## **INTRODUCTION**

---

This Air Quality and Greenhouse Gas Impact Analysis identifies and analyzes the potential environmental impacts from the Rocklin Corporate Center Rezone and General Plan Amendment Project (proposed project) related to air quality and greenhouse gas (GHG) emissions. The information and analysis in this document are organized in accordance with the checklist in Appendix G of the California Environmental Quality Act (CEQA) Guidelines. If the analysis provided in this document identifies potentially significant environmental effects of the project, mitigation measures that should be applied to the project are prescribed. All modeling results are included as an appendix to this document.

## **PROJECT SUMMARY**

---

The 11.6-acre project site is located northwest of the intersection of Lonetree Boulevard and West Oaks Boulevard in the City of Rocklin, within Placer County, California (Assessor's Parcel Numbers [APNs]: 017-280-014 and 017-280-015). Figure 1 illustrates the regional project location.

The site is currently undeveloped and is bound by State Route (SR) 65 to the west, multi-family residences to the south, undeveloped land to the east, and commercial and industrial businesses to the north, northwest, and east. The Seavy Center School and Western Sierra Collegiate Academy are located west of the project site, and the St. Matthew Lutheran Church is located to the southeast. SR 65 is located approximately 875 feet west of the project site. The project site and vicinity is shown in Figure 2.

The project site is currently designated Light Industrial (LI) per the City's General Plan and is zoned Planned Development - Industrial Park (PD-IP). The project site is located within the Stanford Ranch Planned Development Area. The LI land use designation is grouped with the Business Professional and Commercial designations, which are intended to create employment centers and make land available for a variety of professional offices, commercial space, and manufacturing and storage facilities.<sup>1</sup>

As part of the proposed project, approval of a General Plan Amendment and Rezone would be required. The proposed General Plan Amendment would redesignate the two subject parcels from LI to High Density Residential (HDR). The Rezone would be from PD-IP to Residential 24+. The HDR land use designation is intended to provide areas for multi-family residences at a density above 15.5 dwelling units per acre (du/ac) and is preferred to be located near commercial uses and employment centers. The Residential 24+ zoning designation will allow multi-family residential uses at a minimum density of 24 du/ac.

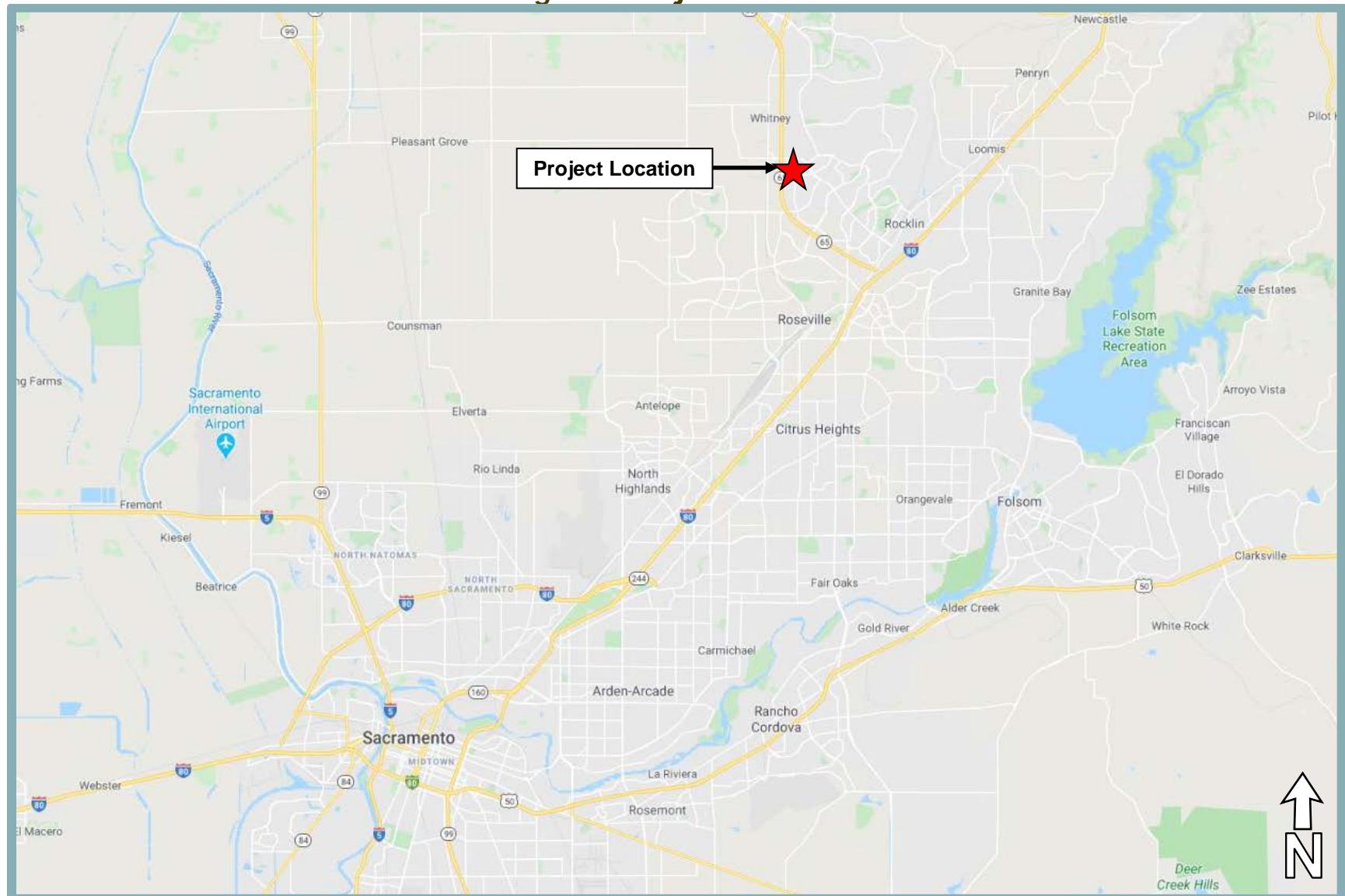
Because the existing PD-IP zoning allows for office uses, this analysis assumes office development rather than light industrial development to provide a worst-case scenario for automobile trip generation. Although APN 017-280-014 is approximately 6.5 acres in size, the net developable area is considered to be approximately four acres due to environmental resources located on the west side of the parcel. APN 017-280-015 is approximately 5.1 acres in size and the net developable area is considered to be 5.1 acres because it is not constrained like the other parcel. Based on a floor to area ratio of 35 percent, the four acres could theoretically yield an office building of approximately 60,984 square feet and the 5.1 acres could theoretically yield an office building of approximately 78,670 square feet.

---

<sup>1</sup> City of Rocklin. *City of Rocklin General Plan – Land Use Element* [pg. FA-12]. October 2012.



**Figure 1**  
**Regional Project Location**



**Figure 2**  
**Project Vicinity Map**



Assuming a total of 139,654 square feet of office buildings would be developed within the project site, at least 559 parking spaces would be required, pursuant to Municipal Code Section 17.66.040 B.

Pursuant to the General Plan, land designated HDR is intended to have a building density of 15.5 du/ac or greater. While a specific site plan has not yet been prepared and no development is being proposed at this time, based on the developable acreage described above and assuming a density of 30 units per acre, theoretically the project site could be developed with approximately 274 multi-family residential units (120 units on the net four-acre site and 154 units on the 5.1-acre site), a 15,000-sf community clubhouse, and resident parking spaces.

The following analysis provides a comparison of construction and operational emissions associated with buildout of the proposed project to the emissions associated with buildout of the project site under the existing land use designation.

## **SOURCES**

---

1. BREEZE Software, A Division of Trinity Consultants, in collaboration with South Coast Air Quality Management District and the California Air Districts. *California Emissions Estimator Model User's Guide Version 2016.3.2*. November 2017.
2. California Air Pollution Control Officers Association. *Quantifying Greenhouse Gas Mitigation Measures*. August 2010.
3. California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.
4. Department of Conservation, California Geological Survey. *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*. Published 2006.
5. Placer County Air Pollution Control District. *CEQA Air Quality Handbook*. November 21, 2017.
6. University of California, Davis. *Transportation Project-Level Carbon Monoxide Protocol*. December 1997.
7. U.S. Environmental Protection Agency. *Nonattainment and Unclassifiable Area Designations for the 2015 Ozone Standards*. April 30, 2018.



### **III. AIR QUALITY.**

*Would the project:*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### **Discussion**

- a,b. The City of Rocklin is located within the boundaries of the Sacramento Valley Air Basin (SVAB) and under the jurisdiction of the Placer County Air Pollution Control District (PCAPCD). The federal Clean Air Act (CAA) and the California Clean Air Act (CCAA) require that federal and State ambient air quality standards (AAQS) be established, respectively, for six common air pollutants, known as criteria pollutants. The criteria pollutants include particulate matter (PM), ground-level ozone, carbon monoxide (CO), sulfur oxides, nitrogen oxides (NO<sub>x</sub>), and lead. At the federal level, the SVAB area is designated as nonattainment for the 8-hour ozone and the 24-hour PM 2.5 microns in diameter (PM<sub>2.5</sub>) AAQS, and attainment or unclassified for all other federal criteria pollutant AAQS. At the State level, the SVAB area is designated as nonattainment for the 1-hour ozone, 8-hour ozone, and PM 10 microns in diameter (PM<sub>10</sub>) AAQS, and attainment or unclassified for all other State AAQS.

The CAA requires each state to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The SIPs are modified periodically to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins, as reported by their jurisdictional agencies. Due to the nonattainment designations, PCAPCD, along with the other air districts in the SVAB region, periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the federal AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies.

The current applicable air quality plan for the proposed project area is the *Sacramento Regional 2009 NAAQS 8-Hour Ozone Attainment and Reasonable Further Progress Plan* (Ozone Attainment Plan), updated July 24, 2017. The Ozone Attainment Plan demonstrates how existing and new control strategies would provide the necessary future emission reductions to meet the CAA requirements, including the federal AAQS.

The Ozone Attainment Plan demonstrates how existing and new control strategies would provide the necessary future emission reductions to meet the CAA requirements, including the national AAQS. It should be noted that in addition to strengthening the 8-hour ozone national AAQS, the U.S. Environmental Protection Agency (USEPA) also strengthened the secondary 8-hour ozone national AAQS, making the secondary standard identical to the primary standard. The SVAB remains classified as a severe nonattainment area for ozone with an attainment deadline of 2027. On October 26, 2015, the USEPA released a



final implementation rule for the revised national AAQS for ozone to address the requirements for reasonable further progress, modeling and attainment demonstrations, and reasonably available control measures (RACM) and reasonably available control technology (RACT). On April 30, 2018, the USEPA published designations for areas in attainment/unclassifiable for the 2015 ozone standards. The USEPA identified the portions of Placer County within the SVAB as nonattainment for the 2015 ozone standards.<sup>2</sup> Due to the designation of the SVAB as nonattainment for the 2015 standards, the PCAPCD will work with other regional air districts to prepare a new ozone SIP for the revised 2015 standards.

General conformity requirements of the regional air quality plan include whether a project would cause or contribute to new violations of any AAQS, increase the frequency or severity of an existing violation of any AAQS, or delay timely attainment of any AAQS. In order to evaluate ozone and other criteria air pollutant emissions and support attainment goals for those pollutants that the area is designated nonattainment, the PCAPCD has adopted recommended thresholds of significance for emissions of PM<sub>10</sub> and the ozone precursors reactive organic gases (ROG) and NO<sub>x</sub>. On October 13, 2016, the PCAPCD adopted updated thresholds of significance for the aforementioned pollutants.

The PCAPCD's current thresholds of significance, expressed in pounds per day (lbs/day), are listed in Table 1 for use in the evaluation of air quality impacts associated with proposed development projects. The City of Rocklin, as lead agency, uses the PCAPCD's recommended thresholds of significance for CEQA evaluation purposes. Thus, if the proposed project's emissions exceed the pollutant thresholds presented in Table 1, the project could have a significant effect on air quality, the attainment of federal and State AAQS, and could conflict with or obstruct implementation of the applicable air quality plan.

Table 1 PCAPCD Thresholds of Significance		
Pollutant	Construction Threshold (lbs/day)	Operational Threshold (lbs/day)
ROG	82	55
NO <sub>x</sub>	82	55
PM <sub>10</sub>	82	82

*Source: PCAPCD, 2017.*

Implementation of the proposed project would contribute to local emissions in the area during both construction and operation of the proposed project. The proposed project's construction and operational emissions were estimated using the California Emissions Estimator Model (Caleemod) version 2016.3.2 software – a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, trip generation rates, vehicle mix, trip length, average speed, compliance with the California Building Standards Code (CBSC), etc. The emissions intensity factor for electricity consumed at the project site was updated to reflect Pacific Gas and Electric's (PG&E's) progress towards achieving the State's Renewable Portfolio

<sup>2</sup> U.S. Environmental Protection Agency. *Nonattainment and Unclassifiable Area Designations for the 2015 Ozone Standards*. April 30, 2018.



Standards (RPS). Where project-specific data was available, such data was input into the model (e.g., construction phases and timing, inherent site or project design features, compliance with applicable regulations, etc.). Accordingly, the proposed project's modeling assumed the following:

- Construction would begin in April of 2022 and occur over approximately one year;
- 9.1 acres of the 11.6-acre project site would be disturbed during grading;
- Based on City-provided information, the project trip generation rate would be 6.5 trips per unit;
- Half of the residential units (137 units) would include a natural gas fireplace;
- The project would be located within 0.38-mile of an existing bus stop;
- A water conservation strategy of 20 percent for both indoor and outdoor water use was applied to reflect compliance with the 2019 CalGreen Code and Model Water Efficient Landscape Ordinance (MWELO); and
- Title 24 would be exceeded by seven percent, and the proposed residences would include solar panels sufficient to meet 100 percent of the electricity demand, as required for residential buildings three stories or fewer by the 2019 CBSC.

For buildout of the site under the existing land use designation, the following modeling assumptions were applied:

- Construction would begin in April of 2022;
- 9.1 acres of the 11.6-acre project site would be disturbed during grading;
- Based on City-provided information, the trip generation rate would be 17.7 trips per 1,000 sf (ksf);
- The project would be located within 0.38-mile of an existing bus stop;
- A water conservation strategy of 20 percent for both indoor and outdoor water use was applied to reflect compliance with the 2019 CalGreen Code and Model Water Efficient Landscape Ordinance (MWELO);
- An additional waste diversion of 50 percent was applied to reflect compliance with the mandatory commercial recycling regulations set forth in AB 341; and
- Title 24 would be exceeded by 30 percent, as required for non-residential buildings by the 2019 CBSC.

Construction timing for the proposed project was provided by the project applicant, and default phase timing was used for the existing land use designation scenario. Construction activity is not anticipated to require soil import or export during site preparation or grading. Because existing structures do not exist on the project site, demolition would not be required under either scenario. All CalEEMod results are included in the Appendix.

The results of the emissions analysis for construction and operational emissions are discussed separately below.

### **Construction Emissions**

During construction of the project, various types of equipment and vehicles would temporarily operate on the project site. Construction-related emissions would be generated from construction equipment, vegetation clearing and earth movement activities, construction workers' commute, and construction material hauling for the entire construction period. The aforementioned activities would involve the use of diesel- and gasoline-powered equipment that would generate emissions of criteria pollutants. Project



construction activities also represent sources of fugitive dust, which includes PM emissions. As construction of the proposed project would generate emissions of criteria air pollutants, including ROG, NO<sub>x</sub>, and PM<sub>10</sub>, intermittently within the site and in the vicinity of the site, until all construction has been completed, construction is a potential concern, as the proposed project is located in a nonattainment area for ozone and PM.

Estimated unmitigated construction-related emissions for the existing land use designation scenario and the proposed project are presented in Table 2.

<b>Table 2</b> <b>Maximum Unmitigated Construction Emissions (lbs/day)</b>			
<b>Construction Year</b>	<b>ROG</b>	<b>NO<sub>x</sub></b>	<b>PM<sub>10</sub></b>
Existing Land Use Designation	8.54	33.12	19.83
Proposed Project	16.04	33.12	19.83
<i>Net Difference</i>	+7.5	+0	+0
<b>PCAPCD Significance Threshold</b>	<b>82.0</b>	<b>82.0</b>	<b>82.0</b>
<b>Exceeds Threshold?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

**Source:** CalEEMod, September 2020 (see Appendix).

As shown in Table 2, construction emissions of ROG and NO<sub>x</sub> from development of the proposed project would be slightly greater than under the existing land use designation scenario. Nonetheless, the project's construction-related emissions would be below the applicable PCAPCD thresholds of significance for ROG, NO<sub>x</sub>, and PM<sub>10</sub>.

It should be noted that while Table 2 shows that PM<sub>10</sub> emissions would be below the PCAPCD's thresholds of significance, fugitive dust and, thus, PM<sub>10</sub> emissions, would be further reduced through compliance with PCAPCD Rule 228. Rule 228 requires projects involving earth-disturbing activities to implement various dust control measures, such as minimizing track-out on to paved public roadways, limiting vehicle travel on unpaved surfaces to 15 miles per hour, and stabilization of storage piles and disturbed areas. Given the project's compliance with PCAPCD Rule 228, construction-related emissions of PM<sub>10</sub> would likely be lower than the levels presented within Table 2.

Although construction of the proposed project would result in slightly greater emissions of ROG and NO<sub>x</sub> compared to the existing land use designation scenario, because the proposed project's estimated unmitigated construction emissions of ROG, NO<sub>x</sub>, and PM<sub>10</sub> would be below the applicable PCAPCD thresholds of significance, construction activities associated with development of the proposed project would not contribute to the PCAPCD's nonattainment status for ozone. Accordingly, construction of the proposed project would not violate any AAQS or contribute substantially to an existing or projected air quality violation, and a less-than-significant impact would occur.

### **Operational Emissions**

Operational emissions of ROG, NO<sub>x</sub>, and PM<sub>10</sub> would be generated by the proposed project from both mobile and stationary sources. Day-to-day activities, such as the future resident vehicle trips to and from the project site, would make up the majority of the mobile emissions. Emissions would also occur from area sources such as natural gas combustion from fireplaces, heating mechanisms, landscape maintenance equipment exhaust, and consumer products (e.g., deodorants, cleaning products, spray paint, etc.).



As noted above, the project site is currently designated LI and zoned PD-IP and, thus, the City of Rocklin General Plan has anticipated development of the project site with light industrial or office uses. In order to assess whether development of the site with multi-family residences would result in an increase in air quality emissions, both development scenarios were modeled using CalEEMod. The assumptions used in the model were discussed above.

The maximum unmitigated operational emissions for the existing land use designation scenario and the proposed project are presented in Table 3. As shown in the table, operational emissions of ROG and PM<sub>10</sub> would be greater under the proposed project as compared to the existing land use designation scenario. However, the operational emissions from the proposed project would still be below the PCAPCD's thresholds of significance for ROG, NO<sub>x</sub>, and PM<sub>10</sub>.

<b>Table 3</b> <b>Maximum Unmitigated Operational Emissions (lbs/day)</b>			
	<b>ROG</b>	<b>NO<sub>x</sub></b>	<b>PM<sub>10</sub></b>
Existing Land Use Designation	7.35	21.94	11.48
Proposed Project	17.93	20.90	20.34
<i>Net Difference</i>	+10.58	-1.04	+8.86
<b>PCAPCD Significance Threshold</b>	<b>55.0</b>	<b>55.0</b>	<b>82.0</b>
<b>Exceeds Threshold?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Source: CalEEMod, September 2020 (see Appendix).*

Therefore, operation of the proposed project would not substantially contribute to the PCAPCD's nonattainment status for ozone or PM. Accordingly, operations of the proposed project would not conflict with or obstruct implementation of the applicable air quality plan and a less-than-significant impact would occur.

### Cumulative Emissions

A cumulative impact analysis considers a project over time in conjunction with other past, present, and reasonably foreseeable future projects whose impacts might compound those of the project being assessed. Due to the dispersive nature and regional sourcing of air pollutants, air pollution is already largely a cumulative impact. The nonattainment status of regional pollutants, including ozone and PM, is a result of past and present development, and, thus, cumulative impacts related to these pollutants could be considered cumulatively significant.

To improve air quality and attain the health-based standards, reductions in emissions are necessary within nonattainment areas. The project is part of a pattern of urbanization occurring in the greater Sacramento ozone nonattainment area. The growth and combined vehicle usage, and business activity within the nonattainment area from the project, in combination with other past, present, and reasonably foreseeable projects within Placer County and surrounding areas, could either delay attainment of the standards or require the adoption of additional controls on existing and future air pollution sources to offset emission increases. Thus, the project could cumulatively contribute to regional air quality health effects through emissions of criteria and mobile source air pollutants.

The PCAPCD recommends using the region's existing attainment plans as a basis for analysis of cumulative emissions. If a project would interfere with an adopted attainment



plan, the project would inhibit the future attainment of AAQS and, thus, result in a cumulative impact. As discussed above, the PCAPCD's recommended thresholds of significance for ozone precursors and PM<sub>10</sub> are based on attainment plans for the region. Thus, the PCAPCD concluded that if a project's ozone precursor and PM<sub>10</sub> emissions would be less than PCAPCD project-level thresholds, the project would not be expected to conflict with any relevant attainment plans, and would not result in a cumulatively considerable contribution to a significant cumulative impact. As a result, the PCACPD's established operational phase cumulative-level emissions thresholds are identical to the operational thresholds identified above, in Table 1.

As shown in Table 3, operational emissions would be below the PCAPCD's project-level thresholds, and, thus, would be below the PCAPCD's cumulative-level thresholds as well. Accordingly, impacts related to a cumulatively considerable net increase in emissions of criteria pollutants for which the PCAPCD region is in non-attainment under an applicable federal or State AAQS would be considered less than significant.

### **Conclusion**

Construction and operations of the proposed project would not result in the emission of criteria air pollutants in excess of the applicable PCAPCD's thresholds of significance and, thus, would not conflict with or obstruct the implementation of any applicable air quality plans. As a result, the proposed project would not result in a cumulatively considerable net increase of a criteria air pollutant for which the project region is non-attainment under an applicable AAQS. Therefore, a ***than-than-significant*** impact would result.

- c. Some land uses are considered more sensitive to air pollution than others, due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Sensitive receptors are typically defined as facilities where sensitive receptor population groups (i.e., children, the elderly, the acutely ill, and the chronically ill) are likely to be located. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, playgrounds, childcare centers, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest existing sensitive receptors would be the multi-family residences across West Oaks Boulevard, located approximately 100 feet south of the project site, as well as the Seavy Center School and the Western Sierra Collegiate Academy, located approximately 100 feet and 400 feet northwest of the project site, respectively.

The major pollutant concentrations of concern are localized carbon monoxide (CO) emissions and toxic air contaminant (TAC) emissions, which are addressed in further detail below.

### **Localized CO Emissions**

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. Traffic congestion near a roadway's intersection with vehicles moving slowly or idling could result in localized CO emissions at that intersection due to a vehicle engine's inefficient combustion. High levels of localized CO concentrations are only expected where background levels are high, and traffic volumes and congestion levels are high. Accordingly, a land use project could result in impacts associated with



localized CO concentrations at roadway intersections if the project generates substantial traffic. Typically, according to the statewide CO Protocol document, signalized intersections operating at Level of Service (LOS) E or F, or projects that would result in the worsening of signalized intersections to LOS E or F, have the potential to result in localized CO concentrations in excess of the State or federal AAQS and potentially expose sensitive receptors to substantial CO concentrations.

In accordance with the statewide CO Protocol, the PCAPCD has established screening methodology for localized CO emissions, which are intended to provide a conservative indication of whether project-generated vehicle trips would result in the generation of localized CO emissions that would contribute to an exceedance of AAQS and potentially expose sensitive receptors to substantial CO concentrations. Per the PCAPCD's screening methodology, if the project would result in vehicle operations producing more than 550 lbs/day of CO emissions and if either of the following scenarios are true, the project could result in localized CO emissions that would violate CO standards:

- Degrade the peak hour level of service (LOS) on one or more streets or at one or more intersections (both signalized and non-signalized) in the project vicinity from an acceptable LOS (i.e., LOS A, B, C, or D) to an unacceptable LOS (i.e., LOS E or F); or
- Substantially worsen an already existing unacceptable peak hour LOS on one or more streets or at one or more intersections in the project vicinity. "Substantially worsen" includes an increase in delay at an intersection by 10 seconds or more when project-generated traffic is included.

According to the modeling performed for the proposed project, operation of the proposed project would result in maximum mobile source CO emissions of 131.27 lbs/day (see Appendix). Consequently, CO emissions related to operation of the proposed project would be far below the 550 lbs/day screening threshold used by PCAPCD. Therefore, according to the PCAPCD's screening methodology for localized CO emissions, the proposed project would not be expected to generate substantial concentrations of localized CO emissions.

### **TAC Emissions**

Another category of environmental concern is TACs. The California Air Resources Board's (CARB's) *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook) provides recommended setback distances for sensitive land uses from major sources of TACs, including, but not limited to, freeways and high traffic roads, gas stations, chrome plating operations, distribution centers, and rail yards. The CARB has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk.

Construction-related activities have the potential to generate TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. However, construction would be temporary and would occur over a relatively short duration in comparison to the



operational lifetime of the proposed project. Only portions of the site would be disturbed at a time throughout the construction period, with operation of construction equipment occurring intermittently throughout the course of a day, rather than continuously at any one location on the project site. Operation of construction equipment within portions of the overall development area would allow for the dispersal of emissions, and would ensure that construction activity is not continuously occurring in the portions of the project site closest to existing receptors.

In addition, all construction equipment and operation thereof would be regulated per the CARB's In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation includes emissions reducing requirements such as limitations on vehicle idling, disclosure, reporting, and labeling requirements for existing vehicles, as well as standards relating to fleet average emissions and the use of Best Available Control Technologies. Thus, on-site emissions of PM would be reduced, which would result in a proportional reduction in DPM emissions and exposure of nearby residences to DPM. Project construction would also be required to comply with all applicable PCAPCD rules and regulations, including Rule 501 related to General Permit Requirements. Considering the intermittent nature of construction equipment operating within an influential distance to the nearest sensitive receptors, the duration of construction activities in comparison to the operational lifetime of the project, the typical long-term exposure periods associated with conducting health risk assessments, and compliance with regulations, the likelihood that any one nearby sensitive receptor would be exposed to high concentrations of DPM for any extended period of time would be low.

Emissions of TACs related to operational activities are typically associated with stationary diesel engines or land uses that involve heavy truck traffic or idling. The proposed residential development is not expected to generate heavy truck traffic or involve the use of forklifts or other stationary diesel-fueled equipment. However, any potential future uses would be required to comply with all applicable PCAPCD rules and regulations, including obtaining permits to operate, if any stationary diesel engines are proposed.

Based on the above, the proposed project would not expose nearby sensitive receptors to substantial concentrations of TACs.

### Naturally Occurring Asbestos (NOA)

Asbestos is a known carcinogen and, thus, NOA is considered a TAC. According to the *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*, prepared by the Department of Conservation, the project site is located within an area categorized as least likely to contain NOA, because faults and serpentinite outcroppings are not known to be in the project area.<sup>3</sup> Consequently, NOA is not anticipated to be present on the project site.

### **Criteria Pollutants**

Since adoption of the 2002 EIR, the California Supreme Court (*Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502) has underscored the need for analysis of potential health impacts resulting from emission of criteria pollutants during implementation of a project. Although analysis of project-level health risks related to the emission of TACs and other

---

<sup>3</sup> Department of Conservation, California Geological Survey. *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*. Published 2006.



localized pollutants has long been practiced under CEQA, the analysis of health impacts due to individual projects resulting from emissions of criteria pollutants is a relatively new field. Whereas health impacts related to emissions of TACs are geographically limited and can fairly easily be traced back to a single project, health risks related to criteria pollutants occur as a result of cumulative regional-scale emissions. For instance, health impacts related to ozone and PM emissions within the City of Rocklin are predominantly determined through the transport of emissions from large metropolitan areas such as Roseville and Sacramento. In turn, ozone and PM levels within the Sacramento area may be subject to effects from emissions originating in the San Francisco Bay Area. Because health risks from ozone and PM originate from regional-scale emissions, attribution of potential health risks due to any individual project is difficult and highly speculative.

Given the highly speculative nature of attributing health effects to individual projects, a useful benchmark for assessing potential health effects are the thresholds of significance established by local air districts for criteria pollutant emissions. The PCAPCD's thresholds of significance were established based on the applicable AAQS, which are health-based standards designed to ensure safe levels of criteria pollutants that avoid specific adverse health effects. Because the SVAB is designated as nonattainment for State and federal eight-hour ozone and State PM<sub>10</sub> standards, the PCAPCD, along with other air districts in the SVAB region, has adopted federal and state attainment plans to demonstrate progress towards attainment of the AAQS. Full implementation of the attainment plans would ensure that the AAQS are attained and sensitive receptors within the SVAB are not exposed to excess concentrations of criteria pollutants. In summary, the PCAPCD's thresholds of significance were established with consideration given to the health-based air quality standards established by the AAQS, and are designed to aid the district in implementing the applicable attainment plans to achieve attainment of the AAQS.<sup>4</sup> Thus, if a project's criteria pollutant emissions exceed the PCAPCD's mass emission thresholds of significance, a project would be considered to conflict with or obstruct implementation of the PCAPCD's air quality planning efforts, thereby delaying attainment of the AAQS. Because the AAQSs are representative of safe levels that avoid specific adverse health effects, a project's hinderance of attainment of the AAQS could be considered to contribute towards regional health effects associated with the existing nonattainment status of ozone and PM<sub>10</sub> standards.

As discussed above, the proposed project would not result in exceedance of the PCAPCD's thresholds of significance. Consequently, implementation of the proposed project would not conflict with the PCAPCD's adopted attainment plans nor would the proposed project inhibit attainment of regional AAQS. Therefore, implementation of the proposed project would not contribute towards regional health effects associated with the existing nonattainment status of ozone and PM<sub>10</sub> standards.

## **Conclusion**

Based on the above analysis, the proposed project would not be anticipated to result in the production of substantial concentrations of localized CO, TACs, including DPM, or criteria pollutants. In addition, the likelihood of NOA being present on the project site is low. Therefore, the proposed project would not result in the exposure of sensitive receptors to substantial pollutant concentrations, and a ***less-than-significant*** impact would result.

<sup>4</sup> Placer County Air Pollution Control District. *CEQA Air Quality Handbook* [pg. 20], November 21, 2017.



- d. Emissions of pollutants have the potential to adversely affect sensitive receptors within the project area. Pollutants of principal concern include emissions leading to odors, emissions of dust, or emissions considered to constitute air pollutants. Air pollutants have been discussed in sections "a" through "c" above. Therefore, the following discussion focuses on emissions of odors and dust during construction and operation of the project.

### **Odors**

Odors are generally regarded as an annoyance rather than a health hazard. Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, quantitative methodologies to determine the presence of a significant odor impact do not exist. Certain land uses such as wastewater treatment facilities, landfills, confined animal facilities, composting operations, food manufacturing plants, refineries, and chemical plants have the potential to generate considerable odors. The proposed project would not include any such uses, and residential projects are not typically associated with the generation of unpleasant odors during operation.

Diesel fumes from construction equipment and heavy-duty trucks could be found to be objectionable; however, as addressed above, operation of construction equipment would be regulated by PCAPCD rules and regulations, and would occur intermittently throughout the course of a day. All construction equipment and operation thereof would be regulated per the statewide In-Use Off-Road Diesel Vehicle Regulation. In addition, construction activities would be restricted to certain hours per the City's Construction Noise Guidelines. Overall, construction is temporary, construction equipment would operate intermittently throughout the course of a day, and construction would likely only occur over portions of the improvement area at a time. For the aforementioned reasons and due to the distance between the project site and the nearest sensitive receptors, the project would not result in any noticeable objectionable odors associated with construction.

In addition, PCAPCD Rule 205, Nuisance, addresses the exposure of "nuisance or annoyance" air contaminant discharges, including odors, and provides enforcement of odor control. Rule 205 is complaint-based, where if public complaints are sufficient to cause the odor source to be considered a public nuisance, then the PCAPCD is required to investigate the identified source, as well as determine and ensure a solution for the source of the complaint, which could include operational modifications to correct the nuisance condition. Thus, although not anticipated, if odor or air quality complaints are made upon development of the proposed project, the PCAPCD would be required (per PCAPCD Rule 205) to ensure that such complaints are addressed and mitigated, as necessary.

### **Dust**

As noted previously, construction of projects within Placer County are required to comply with all applicable PCAPCD rules and regulations. The aforementioned rules would act to reduce construction-related dust by implementing dust control measures. For example, PCAPCD Rule 228 requires implementation of dust control measures, such as minimizing track-out on to paved public roadways, limiting vehicle travel on unpaved surfaces to 15 miles per hour, and stabilization of storage piles and disturbed areas. Following project construction, vehicles operating within the project site would be limited to paved areas of the site, which would not have the potential to create substantial dust



emissions. Thus, project operations would not include sources of dust that could adversely affect a substantial number of people.

### **Conclusion**

For the aforementioned reasons, construction and operation of the proposed project would not create objectionable odors affecting a substantial number of people, and impacts would be ***less than significant***.



<b>VIII. GREENHOUSE GAS EMISSIONS.</b> <i>Would the project:</i>	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gasses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### **Discussion**

- a. b. Emissions of greenhouse gas (GHG) contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHG are inherently considered cumulative impacts.

Implementation of the proposed project would cumulatively contribute to increases of GHG emissions. Estimated GHG emissions attributable to future development would be primarily associated with increases of carbon dioxide (CO<sub>2</sub>) and, to a lesser extent, other GHG pollutants, such as methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) associated with area sources, mobile sources or vehicles, utilities (electricity and natural gas), water usage, wastewater generation, and the generation of solid waste. The primary source of GHG emissions for the project would be mobile source emissions. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO<sub>2</sub> equivalents (MTCO<sub>2</sub>e/yr).

In recognition of the global scale of climate change, California has enacted several pieces of legislations in an attempt to curb GHG emissions. Specifically, Assembly Bill (AB) 32 and, more recently, Senate Bill (SB) 32, have established statewide GHG emissions reduction targets. Accordingly, the CARB has prepared the Climate Change Scoping Plan for California (Scoping Plan), approved in 2008 and updated in 2014 and 2017, which provides the outline for actions to reduce California's GHG emissions and achieve the emissions reduction targets required by AB 32 and SB 32. In concert with statewide efforts to reduce GHG emissions, air districts, counties, and local jurisdictions throughout the State have implemented their own policies and plans to achieve emissions reductions in line with the Scoping Plan and emissions reduction targets, including AB 32 and SB 32.

On October 13, 2016, the PCAPCD adopted GHG emissions thresholds for construction and operations in concert with the criteria pollutant thresholds update. For project construction, the PCAPCD established a threshold of 10,000 MTCO<sub>2</sub>e/yr. Should construction of a proposed project emit GHG emissions in excess of 10,000 MTCO<sub>2</sub>e/yr, the project would be considered to have a cumulatively considerable contribution to global climate change.



The PCAPCD's operational thresholds begin with a screening emission level of 1,100 MTCO<sub>2</sub>e/yr. Any project below the 1,100 MT CO<sub>2</sub>e/yr threshold is judged by the PCAPCD as having a less-than-significant impact related to GHG emissions and, thus, would not conflict with any State or regional GHG emissions reduction goals. Projects that would result in emissions above the 1,100 MT CO<sub>2</sub>e/yr screening level would not necessarily result in substantial impacts, if certain efficiency thresholds are met. The efficiency thresholds, which are based on service populations and square footage, are presented in Table 4.

<b>Table 4</b> <b>PCAPCD Operational GHG Efficiency Thresholds of Significance</b>			
<b>Residential (MTCO<sub>2</sub>e/capita)</b>		<b>Non-Residential (MTCO<sub>2</sub>e/1,000 sf)</b>	
<b>Urban</b>	<b>Rural</b>	<b>Urban</b>	<b>Rural</b>
4.5	5.5	26.5	27.3

**Source:** PCAPCD, 2017.

The PCAPCD further advises that regardless of emissions efficiency, should a project result in operational emissions in excess of 10,000 MTCO<sub>2</sub>e/yr, the project would be considered to have a cumulatively considerable contribution to global climate change.

### **Construction GHG Emissions**

The total unmitigated construction-related GHG emissions from the proposed project were modeled to be 700.93 MTCO<sub>2</sub>e. For comparison, the total unmitigated construction-related GHG emission from buildup of the existing land use designation scenario were modeled to be 668.98 MTCO<sub>2</sub>e. Therefore, construction of the proposed project would be slightly more GHG-intensive than construction of the existing land use designation scenario. However, the construction-related GHG emissions under either scenario would be well below the PCAPCD's Bright Line Threshold of 10,000 MTCO<sub>2</sub>e/yr, and project construction would not be considered to result in a cumulatively considerable contribution to global climate change.

### **Operational GHG Emissions**

The estimated operational GHG emissions at full buildup of both scenarios in the first operational year (2024), are presented in Table 5.

<b>Table 5</b> <b>Unmitigated Operational GHG Emissions (MTCO<sub>2</sub>e/yr)</b>			
<b>Emission Source</b>	<b>Existing Land Use Designation</b>	<b>Proposed Project</b>	<b>Net Difference</b>
Area	0.01	173.81	+173.80
Energy	238.56	150.70	-87.86
Mobile	2,346.40	1,979.57	-366.83
Solid Waste	32.66	106.38	+73.72
Water	43.93	33.27	-10.66
<b>TOTAL ANNUAL GHG EMISSIONS</b>	<b>2,661.56</b>	<b>2,443.10</b>	<b>-218.46</b>
<b>PCAPCD Screening Level Threshold</b>		<b>1,100</b>	
<b>PCAPCD Bright Line Threshold</b>			<b>10,000</b>

Note: Rounding may result in small differences in summation.

**Source:** CalEEMod, September 2020 (see Appendix).



As shown in the table, the proposed project would result in operational GHG emissions in excess of the 1,100 MTCO<sub>2</sub>e/yr operational threshold of significance. However, the project's operational GHG emissions would be below the PCAPCD's Bright Line Threshold of 10,000 MTCO<sub>2</sub>e/yr, and lower than the operational GHG emissions expected from the existing land use designation scenario.

Because the proposed project would exceed the PCAPCD's screening level threshold, the project has been further evaluated in comparison with the efficiency thresholds presented in Table 4. The efficiency thresholds rely on MTCO<sub>2</sub>e emissions per year per capita to determine significance for residential projects in rural or urban settings. In general, urban projects are considered to involve shorter vehicle trips, which would inherently reduce GHG emissions from mobile sources, while rural projects are considered to involve relatively longer vehicle trips and proportionally higher GHG emissions from mobile sources. In recognition of the inherent inequality between mobile source GHG emissions from rural and urban projects, PCAPCD established higher efficiency thresholds for rural projects as compared to urban projects (see Table 4). The PCAPCD directs lead agencies to determine whether a project is considered rural or urban. The proposed project is located in an area that contains substantial existing commercial development to the north and west, residential development to the south, and some undeveloped lands to the southwest and east. As such, the surrounding area is primarily developed and the PCAPCD's urban development threshold is used for the following analysis. The proposed project's estimated emissions per capita are presented below in Table 6 and compared with the applicable PCAPCD efficiency threshold.

<b>Table 6</b> <b>Unmitigated Operational GHG Emissions (MTCO<sub>2</sub>e/yr/capita)</b>	
<b>Project Emissions</b>	<b>PCAPCD Efficiency Threshold for Urban Residential Projects</b>
3.12	4.5
Notes: The estimated population of the proposed project is 784 residents.	

As shown in the table, the proposed project would result in operational GHG emissions below the applicable PCAPCD efficiency threshold, and operations of the proposed project would not be considered to result in a cumulatively considerable contribution to global climate change.

### **Conclusion**

Based on the information presented above, the proposed project would not be considered to generate GHG emissions, either directly or indirectly, that would have a significant impact on the environment, or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Consequently, the project would not result in a cumulatively considerable incremental contribution to impacts related to GHG emissions or climate change and the project's impact would be ***less than significant***.



## **Appendix**

### **Air Quality and Greenhouse Gas Modeling Results**

## **Existing Land Use Designation (LI) CalEEMod Outputs**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

## Rocklin Corporate Center - Existing Land Use Designation

Placer County APCD Air District, Annual

### 1.0 Project Characteristics

---

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	139.65	1000sqft	4.07	139,654.00	0
Parking Lot	559.00	Space	5.03	223,600.00	0

#### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

#### 1.3 User Entered Comments & Non-Default Data

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Project Characteristics - CO2 Intensity Factor adjusted per PG&E RPS projections.

Land Use - Acreage adjusted per site plan

Construction Phase - Architectural coating assumed to overlap with building construction phase.

Grading - Total acres graded set to equal developable area.

Vehicle Trips - Trip generation rate based on City-provided information.

Woodstoves -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation - Water conservation strategy applied to represent compliance with CalGreen Code and MWELO.

Waste Mitigation - Reduction in solid waste applied to represent compliance with AB 341 (mandatory commercial recycling).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/11/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	4/27/2023
tblConstructionPhase	PhaseEndDate	4/27/2023	6/9/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	6/24/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	6/10/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	5/13/2022
tblGrading	AcresOfGrading	10.00	9.10
tblLandUse	LotAcreage	3.21	4.07
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	2.46	17.70
tblVehicleTrips	SU_TR	1.05	17.70
tblVehicleTrips	WD_TR	11.03	17.70

## 2.0 Emissions Summary

---

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr											MT/yr					
2022	0.6427	2.1989	2.0716	5.0000e-003	0.2817	0.0893	0.3710	0.1176	0.0839	0.2014	0.0000	446.6594	446.6594	0.0689	0.0000	448.3824	
2023	0.3781	0.8939	0.9536	2.4600e-003	0.0726	0.0333	0.1059	0.0197	0.0315	0.0512	0.0000	219.9242	219.9242	0.0270	0.0000	220.5985	
Maximum	0.6427	2.1989	2.0716	5.0000e-003	0.2817	0.0893	0.3710	0.1176	0.0839	0.2014	0.0000	446.6594	446.6594	0.0689	0.0000	448.3824	

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr											MT/yr					
2022	0.6427	2.1989	2.0716	5.0000e-003	0.2817	0.0893	0.3710	0.1176	0.0839	0.2014	0.0000	446.6591	446.6591	0.0689	0.0000	448.3821	
2023	0.3781	0.8939	0.9536	2.4600e-003	0.0726	0.0333	0.1059	0.0197	0.0315	0.0512	0.0000	219.9241	219.9241	0.0270	0.0000	220.5983	
Maximum	0.6427	2.1989	2.0716	5.0000e-003	0.2817	0.0893	0.3710	0.1176	0.0839	0.2014	0.0000	446.6591	446.6591	0.0689	0.0000	448.3821	

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2022	6-30-2022	0.7419	0.7419
2	7-1-2022	9-30-2022	1.0513	1.0513
3	10-1-2022	12-31-2022	1.0546	1.0546
4	1-1-2023	3-31-2023	0.9462	0.9462
5	4-1-2023	6-30-2023	0.3208	0.3208
		Highest	1.0546	1.0546

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	0.6283	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133	
Energy	0.0124	0.1127	0.0947	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	287.3068	287.3068	0.0218	6.2700e-003	289.7184	
Mobile	0.5887	4.0406	6.5082	0.0279	2.1962	0.0195	2.2157	0.5908	0.0182	0.6090	0.0000	2,568.5373	2,568.5373	0.0865	0.0000	2,570.7001	
Waste						0.0000	0.0000		0.0000	0.0000	26.3624	0.0000	26.3624	1.5580	0.0000	65.3118	
Water						0.0000	0.0000		0.0000	0.0000	7.8744	20.9171	28.7915	0.8112	0.0196	54.9156	
<b>Total</b>	<b>1.2294</b>	<b>4.1533</b>	<b>6.6093</b>	<b>0.0286</b>	<b>2.1962</b>	<b>0.0280</b>	<b>2.2242</b>	<b>0.5908</b>	<b>0.0268</b>	<b>0.6176</b>	<b>34.2369</b>	<b>2,876.7737</b>	<b>2,911.0105</b>	<b>2.4775</b>	<b>0.0259</b>	<b>2,980.6593</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	0.6283	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133	
Energy	8.7800e-003	0.0798	0.0671	4.8000e-004		6.0700e-003	6.0700e-003		6.0700e-003	6.0700e-003	0.0000	236.5114	236.5114	0.0193	5.2400e-003	238.5568	
Mobile	0.5678	3.8837	6.0314	0.0254	1.9766	0.0178	1.9943	0.5317	0.0166	0.5483	0.0000	2,344.353 6	2,344.353 6	0.0819	0.0000	2,346.401 4	
Waste						0.0000	0.0000		0.0000	0.0000	13.1812	0.0000	13.1812	0.7790	0.0000	32.6559	
Water						0.0000	0.0000		0.0000	0.0000	6.2995	16.7337	23.0332	0.6490	0.0157	43.9325	
<b>Total</b>	<b>1.2049</b>	<b>3.9636</b>	<b>6.1049</b>	<b>0.0259</b>	<b>1.9766</b>	<b>0.0239</b>	<b>2.0004</b>	<b>0.5317</b>	<b>0.0227</b>	<b>0.5544</b>	<b>19.4807</b>	<b>2,597.611 1</b>	<b>2,617.091 9</b>	<b>1.5292</b>	<b>0.0209</b>	<b>2,661.559 9</b>	

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.99	4.57	7.63	9.25	10.00	14.91	10.06	10.00	15.20	10.23	43.10	9.70	10.10	38.28	19.13	10.71

**3.0 Construction Detail****Construction Phase**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	5/12/2022	5	20	
3	Building Construction	Building Construction	6/10/2022	4/27/2023	5	230	
4	Paving	Paving	5/13/2022	6/9/2022	5	20	
5	Architectural Coating	Architectural Coating	6/24/2022	5/11/2023	5	230	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 9.1**

**Acres of Paving: 5.03**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 209,481; Non-Residential Outdoor: 69,827; Striped Parking Area: 13,416 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	139.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549	
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>8.0600e-003</b>	<b>0.0984</b>	<b>0.0497</b>	<b>7.4200e-003</b>	<b>0.0571</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	2.7000e-004	1.8000e-004	1.9700e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.5670	0.5670	1.0000e-005	0.0000	0.0000	0.5673	
<b>Total</b>	<b>2.7000e-004</b>	<b>1.8000e-004</b>	<b>1.9700e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.5670</b>	<b>0.5670</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5673</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549	
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0903	8.0600e-003	0.0984	0.0497	7.4200e-003	0.0571	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	2.7000e-004	1.8000e-004	1.9700e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.5670	0.5670	1.0000e-005	0.0000	0.5673		
Total	2.7000e-004	1.8000e-004	1.9700e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.5670	0.5670	1.0000e-005	0.0000	0.5673		

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0651	0.0000	0.0651	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654	
<b>Total</b>	<b>0.0195</b>	<b>0.2086</b>	<b>0.1527</b>	<b>3.0000e-004</b>	<b>0.0651</b>	<b>9.4100e-003</b>	<b>0.0745</b>	<b>0.0336</b>	<b>8.6600e-003</b>	<b>0.0423</b>	<b>0.0000</b>	<b>26.0548</b>	<b>26.0548</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2654</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455	
<b>Total</b>	<b>4.5000e-004</b>	<b>2.9000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9450</b>	<b>0.9450</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9455</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0651	0.0000	0.0651	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654	
<b>Total</b>	<b>0.0195</b>	<b>0.2086</b>	<b>0.1527</b>	<b>3.0000e-004</b>	<b>0.0651</b>	<b>9.4100e-003</b>	<b>0.0745</b>	<b>0.0336</b>	<b>8.6600e-003</b>	<b>0.0423</b>	<b>0.0000</b>	<b>26.0547</b>	<b>26.0547</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2654</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455	
<b>Total</b>	<b>4.5000e-004</b>	<b>2.9000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9450</b>	<b>0.9450</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9455</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1594	169.1594	0.0405	0.0000	170.1726
<b>Total</b>	<b>0.1246</b>	<b>1.1399</b>	<b>1.1945</b>	<b>1.9700e-003</b>		<b>0.0591</b>	<b>0.0591</b>		<b>0.0556</b>	<b>0.0556</b>	<b>0.0000</b>	<b>169.1594</b>	<b>169.1594</b>	<b>0.0405</b>	<b>0.0000</b>	<b>170.1726</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4536	0.0848	1.2500e-003	0.0286	9.4000e-004	0.0295	8.2800e-003	9.0000e-004	9.1700e-003	0.0000	118.9580	118.9580	5.2800e-003	0.0000	119.0901
Worker	0.0306	0.0198	0.2218	7.1000e-004	0.0797	5.0000e-004	0.0802	0.0212	4.6000e-004	0.0217	0.0000	63.9258	63.9258	1.3600e-003	0.0000	63.9598
<b>Total</b>	<b>0.0432</b>	<b>0.4735</b>	<b>0.3066</b>	<b>1.9600e-003</b>	<b>0.1083</b>	<b>1.4400e-003</b>	<b>0.1097</b>	<b>0.0295</b>	<b>1.3600e-003</b>	<b>0.0308</b>	<b>0.0000</b>	<b>182.8837</b>	<b>182.8837</b>	<b>6.6400e-003</b>	<b>0.0000</b>	<b>183.0499</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1592	169.1592	0.0405	0.0000	170.1724
<b>Total</b>	<b>0.1246</b>	<b>1.1399</b>	<b>1.1945</b>	<b>1.9700e-003</b>		<b>0.0591</b>	<b>0.0591</b>		<b>0.0556</b>	<b>0.0556</b>	<b>0.0000</b>	<b>169.1592</b>	<b>169.1592</b>	<b>0.0405</b>	<b>0.0000</b>	<b>170.1724</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4536	0.0848	1.2500e-003	0.0286	9.4000e-004	0.0295	8.2800e-003	9.0000e-004	9.1700e-003	0.0000	118.9580	118.9580	5.2800e-003	0.0000	119.0901
Worker	0.0306	0.0198	0.2218	7.1000e-004	0.0797	5.0000e-004	0.0802	0.0212	4.6000e-004	0.0217	0.0000	63.9258	63.9258	1.3600e-003	0.0000	63.9598
<b>Total</b>	<b>0.0432</b>	<b>0.4735</b>	<b>0.3066</b>	<b>1.9600e-003</b>	<b>0.1083</b>	<b>1.4400e-003</b>	<b>0.1097</b>	<b>0.0295</b>	<b>1.3600e-003</b>	<b>0.0308</b>	<b>0.0000</b>	<b>182.8837</b>	<b>182.8837</b>	<b>6.6400e-003</b>	<b>0.0000</b>	<b>183.0499</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0661	0.6042	0.6823	1.1300e-003		0.0294	0.0294		0.0277	0.0277	0.0000	97.3580	97.3580	0.0232	0.0000	97.9370
<b>Total</b>	<b>0.0661</b>	<b>0.6042</b>	<b>0.6823</b>	<b>1.1300e-003</b>		<b>0.0294</b>	<b>0.0294</b>		<b>0.0277</b>	<b>0.0277</b>	<b>0.0000</b>	<b>97.3580</b>	<b>97.3580</b>	<b>0.0232</b>	<b>0.0000</b>	<b>97.9370</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5200e-003	0.2159	0.0424	7.1000e-004	0.0165	2.4000e-004	0.0167	4.7600e-003	2.3000e-004	4.9900e-003	0.0000	67.2125	67.2125	2.2300e-003	0.0000	67.2683
Worker	0.0165	0.0103	0.1174	3.9000e-004	0.0459	2.8000e-004	0.0461	0.0122	2.6000e-004	0.0125	0.0000	35.3785	35.3785	7.0000e-004	0.0000	35.3960
<b>Total</b>	<b>0.0221</b>	<b>0.2262</b>	<b>0.1598</b>	<b>1.1000e-003</b>	<b>0.0623</b>	<b>5.2000e-004</b>	<b>0.0628</b>	<b>0.0170</b>	<b>4.9000e-004</b>	<b>0.0175</b>	<b>0.0000</b>	<b>102.5909</b>	<b>102.5909</b>	<b>2.9300e-003</b>	<b>0.0000</b>	<b>102.6643</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	0.0661	0.6042	0.6823	1.1300e-003		0.0294	0.0294		0.0277	0.0277	0.0000	97.3579	97.3579	0.0232	0.0000	97.9369	
<b>Total</b>	<b>0.0661</b>	<b>0.6042</b>	<b>0.6823</b>	<b>1.1300e-003</b>		<b>0.0294</b>	<b>0.0294</b>		<b>0.0277</b>	<b>0.0277</b>	<b>0.0000</b>	<b>97.3579</b>	<b>97.3579</b>	<b>0.0232</b>	<b>0.0000</b>	<b>97.9369</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	5.5200e-003	0.2159	0.0424	7.1000e-004	0.0165	2.4000e-004	0.0167	4.7600e-003	2.3000e-004	4.9900e-003	0.0000	67.2125	67.2125	2.2300e-003	0.0000	67.2683	
Worker	0.0165	0.0103	0.1174	3.9000e-004	0.0459	2.8000e-004	0.0461	0.0122	2.6000e-004	0.0125	0.0000	35.3785	35.3785	7.0000e-004	0.0000	35.3960	
<b>Total</b>	<b>0.0221</b>	<b>0.2262</b>	<b>0.1598</b>	<b>1.1000e-003</b>	<b>0.0623</b>	<b>5.2000e-004</b>	<b>0.0628</b>	<b>0.0170</b>	<b>4.9000e-004</b>	<b>0.0175</b>	<b>0.0000</b>	<b>102.5909</b>	<b>102.5909</b>	<b>2.9300e-003</b>	<b>0.0000</b>	<b>102.6643</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	6.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0176</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0276</b>	<b>20.0276</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455
<b>Total</b>	<b>4.5000e-004</b>	<b>2.9000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9450</b>	<b>0.9450</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9455</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.0110	0.1113	0.1458	2.3000e-004			5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	6.5900e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0176</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>			<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0275</b>	<b>20.0275</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455
<b>Total</b>	<b>4.5000e-004</b>	<b>2.9000e-004</b>	<b>3.2800e-003</b>	<b>1.0000e-005</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9450</b>	<b>0.9450</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9455</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	0.4011						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.0958	0.1233	2.0000e-004		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3904	
<b>Total</b>	<b>0.4150</b>	<b>0.0958</b>	<b>0.1233</b>	<b>2.0000e-004</b>		<b>5.5600e-003</b>	<b>5.5600e-003</b>		<b>5.5600e-003</b>	<b>5.5600e-003</b>	<b>0.0000</b>	<b>17.3621</b>	<b>17.3621</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>17.3904</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	5.7500e-003	3.7200e-003	0.0416	1.3000e-004	0.0150	9.0000e-005	0.0151	3.9800e-003	9.0000e-005	4.0700e-003	0.0000	11.9951	11.9951	2.6000e-004	0.0000	12.0015	
<b>Total</b>	<b>5.7500e-003</b>	<b>3.7200e-003</b>	<b>0.0416</b>	<b>1.3000e-004</b>	<b>0.0150</b>	<b>9.0000e-005</b>	<b>0.0151</b>	<b>3.9800e-003</b>	<b>9.0000e-005</b>	<b>4.0700e-003</b>	<b>0.0000</b>	<b>11.9951</b>	<b>11.9951</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>12.0015</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4011						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.0958	0.1233	2.0000e-004		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3904
<b>Total</b>	<b>0.4150</b>	<b>0.0958</b>	<b>0.1233</b>	<b>2.0000e-004</b>		<b>5.5600e-003</b>	<b>5.5600e-003</b>		<b>5.5600e-003</b>	<b>5.5600e-003</b>	<b>0.0000</b>	<b>17.3621</b>	<b>17.3621</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>17.3904</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	3.7200e-003	0.0416	1.3000e-004	0.0150	9.0000e-005	0.0151	3.9800e-003	9.0000e-005	4.0700e-003	0.0000	11.9951	11.9951	2.6000e-004	0.0000	12.0015
<b>Total</b>	<b>5.7500e-003</b>	<b>3.7200e-003</b>	<b>0.0416</b>	<b>1.3000e-004</b>	<b>0.0150</b>	<b>9.0000e-005</b>	<b>0.0151</b>	<b>3.9800e-003</b>	<b>9.0000e-005</b>	<b>4.0700e-003</b>	<b>0.0000</b>	<b>11.9951</b>	<b>11.9951</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>12.0015</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2773						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0100e-003	0.0612	0.0851	1.4000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	12.0003	12.0003	7.2000e-004	0.0000	12.0182
<b>Total</b>	<b>0.2863</b>	<b>0.0612</b>	<b>0.0851</b>	<b>1.4000e-004</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>12.0003</b>	<b>12.0003</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>12.0182</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7300e-003	2.3100e-003	0.0265	9.0000e-005	0.0103	6.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	7.9750	7.9750	1.6000e-004	0.0000	7.9790
<b>Total</b>	<b>3.7300e-003</b>	<b>2.3100e-003</b>	<b>0.0265</b>	<b>9.0000e-005</b>	<b>0.0103</b>	<b>6.0000e-005</b>	<b>0.0104</b>	<b>2.7500e-003</b>	<b>6.0000e-005</b>	<b>2.8100e-003</b>	<b>0.0000</b>	<b>7.9750</b>	<b>7.9750</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>7.9790</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	0.2773						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0100e-003	0.0612	0.0851	1.4000e-004			3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	12.0003	12.0003	7.2000e-004	0.0000	12.0182
<b>Total</b>	<b>0.2863</b>	<b>0.0612</b>	<b>0.0851</b>	<b>1.4000e-004</b>			<b>3.3300e-003</b>	<b>3.3300e-003</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>12.0003</b>	<b>12.0003</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>12.0182</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	3.7300e-003	2.3100e-003	0.0265	9.0000e-005	0.0103	6.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	7.9750	7.9750	1.6000e-004	0.0000	7.9790	
<b>Total</b>	<b>3.7300e-003</b>	<b>2.3100e-003</b>	<b>0.0265</b>	<b>9.0000e-005</b>	<b>0.0103</b>	<b>6.0000e-005</b>	<b>0.0104</b>	<b>2.7500e-003</b>	<b>6.0000e-005</b>	<b>2.8100e-003</b>	<b>0.0000</b>	<b>7.9750</b>	<b>7.9750</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>7.9790</b>	

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5678	3.8837	6.0314	0.0254	1.9766	0.0178	1.9943	0.5317	0.0166	0.5483	0.0000	2,344.353	2,344.353	0.0819	0.0000	2,346.401
Unmitigated	0.5887	4.0406	6.5082	0.0279	2.1962	0.0195	2.2157	0.5908	0.0182	0.6090	0.0000	2,568.537	2,568.537	0.0865	0.0000	2,570.700

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	2,471.88	2,471.88	2471.88	5,907,172	5,907,172	5,316,455	5,316,455
Parking Lot	0.00	0.00	0.00				
Total	2,471.88	2,471.88	2,471.88	5,907,172	5,907,172	5,316,455	5,316,455

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Parking Lot	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	149.5932	149.5932	0.0176	3.6500e-003	151.1221
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	164.6392	164.6392	0.0194	4.0200e-003	166.3218
NaturalGas Mitigated	8.7800e-003	0.0798	0.0671	4.8000e-004		6.0700e-003	6.0700e-003		6.0700e-003	6.0700e-003	0.0000	86.9182	86.9182	1.6700e-003	1.5900e-003	87.4347
NaturalGas Unmitigated	0.0124	0.1127	0.0947	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.6676	122.6676	2.3500e-003	2.2500e-003	123.3966

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	2.2987e+006	0.0124	0.1127	0.0947	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.6676	122.6676	2.3500e-003	2.2500e-003	123.3966
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0124</b>	<b>0.1127</b>	<b>0.0947</b>	<b>6.8000e-004</b>		<b>8.5600e-003</b>	<b>8.5600e-003</b>		<b>8.5600e-003</b>	<b>8.5600e-003</b>	<b>0.0000</b>	<b>122.6676</b>	<b>122.6676</b>	<b>2.3500e-003</b>	<b>2.2500e-003</b>	<b>123.3966</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.62878e+006	8.7800e-003	0.0798	0.0671	4.8000e-004		6.0700e-003	6.0700e-003		6.0700e-003	6.0700e-003	0.0000	86.9182	86.9182	1.6700e-003	1.5900e-003	87.4347
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.7800e-003</b>	<b>0.0798</b>	<b>0.0671</b>	<b>4.8000e-004</b>		<b>6.0700e-003</b>	<b>6.0700e-003</b>		<b>6.0700e-003</b>	<b>6.0700e-003</b>	<b>0.0000</b>	<b>86.9182</b>	<b>86.9182</b>	<b>1.6700e-003</b>	<b>1.5900e-003</b>	<b>87.4347</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.39794e+006	155.9109	0.0184	3.8000e-003	157.5044
Parking Lot	78260	8.7283	1.0300e-003	2.1000e-004	8.8175
<b>Total</b>		<b>164.6392</b>	<b>0.0194</b>	<b>4.0100e-003</b>	<b>166.3218</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.26303e+006	140.8649	0.0166	3.4400e-003	142.3046
Parking Lot	78260	8.7283	1.0300e-003	2.1000e-004	8.8175
<b>Total</b>		<b>149.5932</b>	<b>0.0176</b>	<b>3.6500e-003</b>	<b>151.1221</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Mitigated	0.6283	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133	
Unmitigated	0.6283	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133	

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr											MT/yr					
Architectural Coating	0.0678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	0.5599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	5.9000e-004	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133	
<b>Total</b>	<b>0.6283</b>	<b>6.0000e-005</b>	<b>6.4100e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0125</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0133</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0678						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5599						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.9000e-004	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
<b>Total</b>	<b>0.6283</b>	<b>6.0000e-005</b>	<b>6.4100e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0125</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0133</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.0332	0.6490	0.0157	43.9325
Unmitigated	28.7915	0.8112	0.0196	54.9156

**7.2 Water by Land Use****Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	24.8205 / 15.2126	28.7915	0.8112	0.0196	54.9156
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	24.8205 / 15.2126	28.7915	0.8112	0.0196	54.9156
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>28.7915</b>	<b>0.8112</b>	<b>0.0196</b>	<b>54.9156</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	19.8564 / 12.1701	23.0332	0.6490	0.0157	43.9325
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>23.0332</b>	<b>0.6490</b>	<b>0.0157</b>	<b>43.9325</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.1812	0.7790	0.0000	32.6559
Unmitigated	26.3624	1.5580	0.0000	65.3118

**8.2 Waste by Land Use**Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	129.87	26.3624	1.5580	0.0000	65.3118
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Total		26.3624	1.5580	0.0000	65.3118
-------	--	---------	--------	--------	---------

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	64.935	13.1812	0.7790	0.0000	32.6559
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>13.1812</b>	<b>0.7790</b>	<b>0.0000</b>	<b>32.6559</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Annual

---

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

## Rocklin Corporate Center - Existing Land Use Designation

Placer County APCD Air District, Summer

### 1.0 Project Characteristics

---

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	139.65	1000sqft	4.07	139,654.00	0
Parking Lot	559.00	Space	5.03	223,600.00	0

#### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

#### 1.3 User Entered Comments & Non-Default Data

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

Project Characteristics - CO2 Intensity Factor adjusted per PG&E RPS projections.

Land Use - Acreage adjusted per site plan

Construction Phase - Architectural coating assumed to overlap with building construction phase.

Grading - Total acres graded set to equal developable area.

Vehicle Trips - Trip generation rate based on City-provided information.

Woodstoves -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation - Water conservation strategy applied to represent compliance with CalGreen Code and MWELO.

Waste Mitigation - Reduction in solid waste applied to represent compliance with AB 341 (mandatory commercial recycling).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/11/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	4/27/2023
tblConstructionPhase	PhaseEndDate	4/27/2023	6/9/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	6/24/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	6/10/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	5/13/2022
tblGrading	AcresOfGrading	10.00	9.10
tblLandUse	LotAcreage	3.21	4.07
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	2.46	17.70
tblVehicleTrips	SU_TR	1.05	17.70
tblVehicleTrips	WD_TR	11.03	17.70

## 2.0 Emissions Summary

---

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	8.5418	33.1145	23.3872	0.0601	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,928.846 3	5,928.846 3	1.1951	0.0000	5,947.160 1
2023	8.3203	21.0407	22.8190	0.0593	1.7782	0.7842	2.5624	0.4809	0.7420	1.2229	0.0000	5,848.546 2	5,848.546 2	0.7042	0.0000	5,866.150 1
Maximum	8.5418	33.1145	23.3872	0.0601	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,928.846 3	5,928.846 3	1.1951	0.0000	5,947.160 1

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	8.5418	33.1145	23.3872	0.0601	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,928.846 3	5,928.846 3	1.1951	0.0000	5,947.160 1
2023	8.3203	21.0407	22.8190	0.0593	1.7782	0.7842	2.5624	0.4809	0.7420	1.2229	0.0000	5,848.546 2	5,848.546 2	0.7042	0.0000	5,866.150 1
Maximum	8.5418	33.1145	23.3872	0.0601	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,928.846 3	5,928.846 3	1.1951	0.0000	5,947.160 1

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
Energy	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469	740.9202	740.9202	0.0142	0.0136		745.3231
Mobile	3.9733	21.6909	38.3283	0.1628	12.6107	0.1067	12.7174	3.3796	0.0997	3.4793	16,531.53 69	16,531.53 69	0.5211			16,544.56 46
<b>Total</b>	<b>7.4873</b>	<b>22.3090</b>	<b>38.9181</b>	<b>0.1666</b>	<b>12.6107</b>	<b>0.1539</b>	<b>12.7646</b>	<b>3.3796</b>	<b>0.1469</b>	<b>3.5265</b>	<b>17,272.61 00</b>	<b>17,272.61 00</b>	<b>0.5357</b>	<b>0.0136</b>	<b>17,290.05 05</b>	

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
Energy	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333	524.9910	524.9910	0.0101	9.6200e-003		528.1108
Mobile	3.8559	20.8914	35.2595	0.1486	11.3496	0.0974	11.4471	3.0416	0.0910	3.1327	15,086.25 56	15,086.25 56	0.4915			15,098.54 26
<b>Total</b>	<b>7.3501</b>	<b>21.3295</b>	<b>35.6982</b>	<b>0.1512</b>	<b>11.3496</b>	<b>0.1309</b>	<b>11.4806</b>	<b>3.0416</b>	<b>0.1245</b>	<b>3.1662</b>	<b>15,611.39 95</b>	<b>15,611.39 95</b>	<b>0.5019</b>	<b>9.6200e-003</b>	<b>15,626.81 62</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	1.83	4.39	8.27	9.22	10.00	14.92	10.06	10.00	15.23	10.22	0.00	9.62	9.62	6.30	29.16	9.62

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	5/12/2022	5	20	
3	Building Construction	Building Construction	6/10/2022	4/27/2023	5	230	
4	Paving	Paving	5/13/2022	6/9/2022	5	20	
5	Architectural Coating	Architectural Coating	6/24/2022	5/11/2023	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9.1

Acres of Paving: 5.03

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 209,481; Non-Residential Outdoor: 69,827; Striped Parking Area: 13,416 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	139.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	3,686.061 9	3,686.061 9	1.1922			3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>			<b>3,715.865 5</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0608	0.0310	0.4482	1.3700e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			136.9564	136.9564	2.9200e-003	137.0293	
<b>Total</b>	<b>0.0608</b>	<b>0.0310</b>	<b>0.4482</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>136.9564</b>	<b>136.9564</b>	<b>2.9200e-003</b>	<b>137.0293</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>0.0000</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>		<b>3,715.865 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0608	0.0310	0.4482	1.3700e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			136.9564	136.9564	2.9200e-003	137.0293
<b>Total</b>	<b>0.0608</b>	<b>0.0310</b>	<b>0.4482</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>136.9564</b>	<b>136.9564</b>	<b>2.9200e-003</b>	<b>137.0293</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5046	0.0000	6.5046	3.3623	0.0000	3.3623			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
Total	1.9486	20.8551	15.2727	0.0297	6.5046	0.9409	7.4455	3.3623	0.8656	4.2279		2,872.046 4	2,872.046 4	0.9289		2,895.268 4	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			114.1304	114.1304	2.4300e-003	114.1911	
Total	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			114.1304	114.1304	2.4300e-003	114.1911	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5046	0.0000	6.5046	3.3623	0.0000	3.3623			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.5046</b>	<b>0.9409</b>	<b>7.4455</b>	<b>3.3623</b>	<b>0.8656</b>	<b>4.2279</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			114.1304	114.1304	2.4300e-003	114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>	<b>114.1911</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.333 6	2,554.333 6	0.6120			2,569.632 2	
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>			<b>2,569.632 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	
Vendor	0.1676	6.1431	1.0518	0.0174	0.4064	0.0125	0.4189	0.1170	0.0120	0.1290	1,822.413 4	1,822.413 4	0.0752			1,824.294 2	
Worker	0.4697	0.2394	3.4613	0.0106	1.1419	6.9000e-003	1.1488	0.3029	6.3600e-003	0.3092	1,057.608 0	1,057.608 0	0.0225			1,058.170 8	
<b>Total</b>	<b>0.6374</b>	<b>6.3825</b>	<b>4.5130</b>	<b>0.0280</b>	<b>1.5482</b>	<b>0.0194</b>	<b>1.5677</b>	<b>0.4199</b>	<b>0.0184</b>	<b>0.4382</b>		<b>2,880.021 3</b>	<b>2,880.021 3</b>	<b>0.0977</b>			<b>2,882.465 0</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1676	6.1431	1.0518	0.0174	0.4064	0.0125	0.4189	0.1170	0.0120	0.1290	1,822.413 4	1,822.413 4	0.0752			1,824.294 2
Worker	0.4697	0.2394	3.4613	0.0106	1.1419	6.9000e-003	1.1488	0.3029	6.3600e-003	0.3092	1,057.608 0	1,057.608 0	0.0225			1,058.170 8
<b>Total</b>	<b>0.6374</b>	<b>6.3825</b>	<b>4.5130</b>	<b>0.0280</b>	<b>1.5482</b>	<b>0.0194</b>	<b>1.5677</b>	<b>0.4199</b>	<b>0.0184</b>	<b>0.4382</b>	<b>2,880.021 3</b>	<b>2,880.021 3</b>	<b>0.0977</b>			<b>2,882.465 0</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1280	5.0934	0.9204	0.0171	0.4064	5.5300e-003	0.4119	0.1170	5.2800e-003	0.1223	1,789.700 7	1,789.700 7	0.0552		1,791.080 2	
Worker	0.4402	0.2159	3.1991	0.0102	1.1419	6.7600e-003	1.1486	0.3029	6.2300e-003	0.3091	1,017.269 9	1,017.269 9	0.0202		1,017.775 3	
<b>Total</b>	<b>0.5682</b>	<b>5.3093</b>	<b>4.1194</b>	<b>0.0273</b>	<b>1.5482</b>	<b>0.0123</b>	<b>1.5605</b>	<b>0.4199</b>	<b>0.0115</b>	<b>0.4314</b>	<b>2,806.970 6</b>	<b>2,806.970 6</b>	<b>0.0754</b>		<b>2,808.855 5</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1280	5.0934	0.9204	0.0171	0.4064	5.5300e-003	0.4119	0.1170	5.2800e-003	0.1223	1,789.700 7	1,789.700 7	0.0552			1,791.080 2	
Worker	0.4402	0.2159	3.1991	0.0102	1.1419	6.7600e-003	1.1486	0.3029	6.2300e-003	0.3091	1,017.269 9	1,017.269 9	0.0202			1,017.775 3	
<b>Total</b>	<b>0.5682</b>	<b>5.3093</b>	<b>4.1194</b>	<b>0.0273</b>	<b>1.5482</b>	<b>0.0123</b>	<b>1.5605</b>	<b>0.4199</b>	<b>0.0115</b>	<b>0.4314</b>	<b>2,806.970 6</b>	<b>2,806.970 6</b>	<b>0.0754</b>			<b>2,808.855 5</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140		2,225.510 4	
Paving	0.6589					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
<b>Total</b>	<b>1.7618</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	114.1304	114.1304	2.4300e-003		114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>	<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>		<b>114.1911</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	0.6589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7618</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660</b>	<b>2,207.660</b>	<b>0.7140</b>		<b>2,225.510</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	114.1304	114.1304	2.4300e-003			114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>		<b>114.1911</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>6.1036</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.0482	0.6972	2.1400e-003	0.2300	1.3900e-003	0.2314	0.0610	1.2800e-003	0.0623	213.0433	213.0433	4.5400e-003			213.1567
<b>Total</b>	<b>0.0946</b>	<b>0.0482</b>	<b>0.6972</b>	<b>2.1400e-003</b>	<b>0.2300</b>	<b>1.3900e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2800e-003</b>	<b>0.0623</b>		<b>213.0433</b>	<b>213.0433</b>	<b>4.5400e-003</b>		<b>213.1567</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>6.1036</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.0482	0.6972	2.1400e-003	0.2300	1.3900e-003	0.2314	0.0610	1.2800e-003	0.0623	213.0433	213.0433	4.5400e-003			213.1567
<b>Total</b>	<b>0.0946</b>	<b>0.0482</b>	<b>0.6972</b>	<b>2.1400e-003</b>	<b>0.2300</b>	<b>1.3900e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2800e-003</b>	<b>0.0623</b>		<b>213.0433</b>	<b>213.0433</b>	<b>4.5400e-003</b>		<b>213.1567</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>6.0907</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0887	0.0435	0.6444	2.0600e-003	0.2300	1.3600e-003	0.2314	0.0610	1.2500e-003	0.0623			204.9177	204.9177	4.0700e-003		205.0195
<b>Total</b>	<b>0.0887</b>	<b>0.0435</b>	<b>0.6444</b>	<b>2.0600e-003</b>	<b>0.2300</b>	<b>1.3600e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2500e-003</b>	<b>0.0623</b>			<b>204.9177</b>	<b>204.9177</b>	<b>4.0700e-003</b>		<b>205.0195</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>6.0907</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0887	0.0435	0.6444	2.0600e-003	0.2300	1.3600e-003	0.2314	0.0610	1.2500e-003	0.0623	204.9177	204.9177	4.0700e-003			205.0195
<b>Total</b>	<b>0.0887</b>	<b>0.0435</b>	<b>0.6444</b>	<b>2.0600e-003</b>	<b>0.2300</b>	<b>1.3600e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2500e-003</b>	<b>0.0623</b>		<b>204.9177</b>	<b>204.9177</b>	<b>4.0700e-003</b>		<b>205.0195</b>

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

## 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	3.8559	20.8914	35.2595	0.1486	11.3496	0.0974	11.4471	3.0416	0.0910	3.1327	15,086.25 56	15,086.25 56	0.4915			15,098.54 26	
Unmitigated	3.9733	21.6909	38.3283	0.1628	12.6107	0.1067	12.7174	3.3796	0.0997	3.4793	16,531.53 69	16,531.53 69	0.5211			16,544.56 46	

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	2,471.88	2,471.88	2471.88	5,907,172		5,316,455	
Parking Lot	0.00	0.00	0.00				
Total	2,471.88	2,471.88	2,471.88	5,907,172		5,316,455	

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Parking Lot	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333	524.9910	524.9910	0.0101	9.6200e-003	528.1108	
NaturalGas Unmitigated	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469	740.9202	740.9202	0.0142	0.0136	745.3231	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	6297.82	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.9202	740.9202	0.0142	0.0136	745.3231
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0679</b>	<b>0.6174</b>	<b>0.5186</b>	<b>3.7000e-003</b>		<b>0.0469</b>	<b>0.0469</b>		<b>0.0469</b>	<b>0.0469</b>		<b>740.9202</b>	<b>740.9202</b>	<b>0.0142</b>	<b>0.0136</b>	<b>745.3231</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	4.46242	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333		524.9910	524.9910	0.0101	9.6200e-003	528.1108
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0481</b>	<b>0.4375</b>	<b>0.3675</b>	<b>2.6200e-003</b>		<b>0.0333</b>	<b>0.0333</b>		<b>0.0333</b>	<b>0.0333</b>		<b>524.9910</b>	<b>524.9910</b>	<b>0.0101</b>	<b>9.6200e-003</b>	<b>528.1108</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
Unmitigated	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0678					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5800e-003	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
<b>Total</b>	<b>3.4461</b>	<b>6.5000e-004</b>	<b>0.0712</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1529</b>	<b>0.1529</b>	<b>4.0000e-004</b>		<b>0.1629</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3717						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	3.0678						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	6.5800e-003	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1529	0.1529	4.0000e-004		0.1629
<b>Total</b>	<b>3.4461</b>	<b>6.5000e-004</b>	<b>0.0712</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1529</b>	<b>0.1529</b>	<b>4.0000e-004</b>		<b>0.1629</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Summer

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**Rocklin Corporate Center - Existing Land Use Designation**  
**Placer County APCD Air District, Winter**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	139.65	1000sqft	4.07	139,654.00	0
Parking Lot	559.00	Space	5.03	223,600.00	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

Project Characteristics - CO2 Intensity Factor adjusted per PG&E RPS projections.

Land Use - Acreage adjusted per site plan

Construction Phase - Architectural coating assumed to overlap with building construction phase.

Grading - Total acres graded set to equal developable area.

Vehicle Trips - Trip generation rate based on City-provided information.

Woodstoves -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation - Water conservation strategy applied to represent compliance with CalGreen Code and MWELO.

Waste Mitigation - Reduction in solid waste applied to represent compliance with AB 341 (mandatory commercial recycling).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/11/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	4/27/2023
tblConstructionPhase	PhaseEndDate	4/27/2023	6/9/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	6/24/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	6/10/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	5/13/2022
tblGrading	AcresOfGrading	10.00	9.10
tblLandUse	LotAcreage	3.21	4.07
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	2.46	17.70
tblVehicleTrips	SU_TR	1.05	17.70
tblVehicleTrips	WD_TR	11.03	17.70

## 2.0 Emissions Summary

---

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	8.5361	33.1223	23.1446	0.0581	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,727.335 7	5,727.335 7	1.1948	0.0000	5,745.837 9
2023	8.3142	21.1223	22.5397	0.0574	1.7782	0.7844	2.5626	0.4809	0.7422	1.2231	0.0000	5,653.510 4	5,653.510 4	0.7092	0.0000	5,671.239 9
Maximum	8.5361	33.1223	23.1446	0.0581	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,727.335 7	5,727.335 7	1.1948	0.0000	5,745.837 9

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	8.5361	33.1223	23.1446	0.0581	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,727.335 7	5,727.335 7	1.1948	0.0000	5,745.837 9
2023	8.3142	21.1223	22.5397	0.0574	1.7782	0.7844	2.5626	0.4809	0.7422	1.2231	0.0000	5,653.510 4	5,653.510 4	0.7092	0.0000	5,671.239 9
Maximum	8.5361	33.1223	23.1446	0.0581	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,727.335 7	5,727.335 7	1.1948	0.0000	5,745.837 9

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629	
Energy	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469	740.9202	740.9202	0.0142	0.0136		745.3231	
Mobile	3.1063	22.3961	37.2219	0.1499	12.6107	0.1075	12.7182	3.3796	0.1005	3.4801	15,220.47 80	15,220.47 80	0.5442			15,234.08 26	
<b>Total</b>	<b>6.6203</b>	<b>23.0142</b>	<b>37.8118</b>	<b>0.1536</b>	<b>12.6107</b>	<b>0.1547</b>	<b>12.7654</b>	<b>3.3796</b>	<b>0.1476</b>	<b>3.5272</b>	<b>15,961.55 11</b>	<b>15,961.55 11</b>	<b>0.5588</b>	<b>0.0136</b>	<b>15,979.56 86</b>		

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629	
Energy	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333	524.9910	524.9910	0.0101	9.6200e-003		528.1108	
Mobile	2.9906	21.5007	34.6489	0.1367	11.3496	0.0982	11.4478	3.0416	0.0918	3.1334	13,883.05 47	13,883.05 47	0.5165			13,895.96 83	
<b>Total</b>	<b>6.4849</b>	<b>21.9389</b>	<b>35.0876</b>	<b>0.1393</b>	<b>11.3496</b>	<b>0.1317</b>	<b>11.4813</b>	<b>3.0416</b>	<b>0.1253</b>	<b>3.1669</b>	<b>14,408.19 86</b>	<b>14,408.19 86</b>	<b>0.5270</b>	<b>9.6200e-003</b>	<b>14,424.24 19</b>		

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	2.05	4.67	7.20	9.29	10.00	14.85	10.06	10.00	15.15	10.22	0.00	9.73	9.73	5.69	29.16	9.73

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	5/12/2022	5	20	
3	Building Construction	Building Construction	6/10/2022	4/27/2023	5	230	
4	Paving	Paving	5/13/2022	6/9/2022	5	20	
5	Architectural Coating	Architectural Coating	6/24/2022	5/11/2023	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9.1

Acres of Paving: 5.03

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 209,481; Non-Residential Outdoor: 69,827; Striped Parking Area: 13,416 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	139.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	3,686.061 9	3,686.061 9	1.1922			3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>			<b>3,715.865 5</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0590	0.0388	0.3967	1.2200e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			121.9408	121.9408	2.6300e-003	122.0065	
<b>Total</b>	<b>0.0590</b>	<b>0.0388</b>	<b>0.3967</b>	<b>1.2200e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>121.9408</b>	<b>121.9408</b>	<b>2.6300e-003</b>	<b>122.0065</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>0.0000</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>		<b>3,715.865 5</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0590	0.0388	0.3967	1.2200e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			121.9408	121.9408	2.6300e-003	122.0065	
<b>Total</b>	<b>0.0590</b>	<b>0.0388</b>	<b>0.3967</b>	<b>1.2200e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>121.9408</b>	<b>121.9408</b>	<b>2.6300e-003</b>	<b>122.0065</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5046	0.0000	6.5046	3.3623	0.0000	3.3623			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.5046</b>	<b>0.9409</b>	<b>7.4455</b>	<b>3.3623</b>	<b>0.8656</b>	<b>4.2279</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			101.6173	101.6173	2.1900e-003	101.6721
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>	<b>101.6721</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5046	0.0000	6.5046	3.3623	0.0000	3.3623			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.5046</b>	<b>0.9409</b>	<b>7.4455</b>	<b>3.3623</b>	<b>0.8656</b>	<b>4.2279</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			101.6173	101.6173	2.1900e-003	101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>	<b>101.6721</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.333 6	2,554.333 6	0.6120			2,569.632 2	
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>			<b>2,569.632 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	
Vendor	0.1788	6.1758	1.2868	0.0168	0.4064	0.0132	0.4196	0.1170	0.0127	0.1296	1,760.214 8	1,760.214 8	0.0854			1,762.350 1	
Worker	0.4557	0.2997	3.0637	9.4500e-003	1.1419	6.9000e-003	1.1488	0.3029	6.3600e-003	0.3092	941.6537	941.6537	0.0203			942.1615	
<b>Total</b>	<b>0.6345</b>	<b>6.4755</b>	<b>4.3505</b>	<b>0.0263</b>	<b>1.5482</b>	<b>0.0201</b>	<b>1.5684</b>	<b>0.4199</b>	<b>0.0190</b>	<b>0.4389</b>		<b>2,701.868 5</b>	<b>2,701.868 5</b>	<b>0.1057</b>			<b>2,704.511 6</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1788	6.1758	1.2868	0.0168	0.4064	0.0132	0.4196	0.1170	0.0127	0.1296	1,760.214 8	1,760.214 8	0.0854			1,762.350 1
Worker	0.4557	0.2997	3.0637	9.4500e-003	1.1419	6.9000e-003	1.1488	0.3029	6.3600e-003	0.3092	941.6537	941.6537	0.0203			942.1615
<b>Total</b>	<b>0.6345</b>	<b>6.4755</b>	<b>4.3505</b>	<b>0.0263</b>	<b>1.5482</b>	<b>0.0201</b>	<b>1.5684</b>	<b>0.4199</b>	<b>0.0190</b>	<b>0.4389</b>	<b>2,701.868 5</b>	<b>2,701.868 5</b>	<b>0.1057</b>			<b>2,704.511 6</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1365	5.1100	1.1059	0.0165	0.4064	5.7400e-003	0.4121	0.1170	5.4900e-003	0.1225	1,728.584 0	1,728.584 0	0.0627		1,730.151 2	
Worker	0.4280	0.2700	2.8122	9.0900e-003	1.1419	6.7600e-003	1.1486	0.3029	6.2300e-003	0.3091	905.8042	905.8042	0.0182		906.2580	
<b>Total</b>	<b>0.5646</b>	<b>5.3801</b>	<b>3.9181</b>	<b>0.0256</b>	<b>1.5482</b>	<b>0.0125</b>	<b>1.5607</b>	<b>0.4199</b>	<b>0.0117</b>	<b>0.4316</b>	<b>2,634.388 2</b>	<b>2,634.388 2</b>	<b>0.0808</b>		<b>2,636.409 3</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1365	5.1100	1.1059	0.0165	0.4064	5.7400e-003	0.4121	0.1170	5.4900e-003	0.1225	1,728.584 0	1,728.584 0	0.0627		1,730.151 2		
Worker	0.4280	0.2700	2.8122	9.0900e-003	1.1419	6.7600e-003	1.1486	0.3029	6.2300e-003	0.3091	905.8042	905.8042	0.0182		906.2580		
<b>Total</b>	<b>0.5646</b>	<b>5.3801</b>	<b>3.9181</b>	<b>0.0256</b>	<b>1.5482</b>	<b>0.0125</b>	<b>1.5607</b>	<b>0.4199</b>	<b>0.0117</b>	<b>0.4316</b>	<b>2,634.388 2</b>	<b>2,634.388 2</b>	<b>0.0808</b>		<b>2,636.409 3</b>		

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140		2,225.510 4	
Paving	0.6589					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
<b>Total</b>	<b>1.7618</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	101.6173	101.6173	2.1900e-003		101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>	<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>		<b>101.6721</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	0.6589						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
<b>Total</b>	<b>1.7618</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>			<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660</b>	<b>2,207.660</b>	<b>0.7140</b>		<b>2,225.510</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			101.6173	101.6173	2.1900e-003	101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>	<b>101.6721</b>	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>6.1036</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0918	0.0604	0.6172	1.9000e-003	0.2300	1.3900e-003	0.2314	0.0610	1.2800e-003	0.0623			189.6856	189.6856	4.0900e-003		189.7879
<b>Total</b>	<b>0.0918</b>	<b>0.0604</b>	<b>0.6172</b>	<b>1.9000e-003</b>	<b>0.2300</b>	<b>1.3900e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2800e-003</b>	<b>0.0623</b>			<b>189.6856</b>	<b>189.6856</b>	<b>4.0900e-003</b>		<b>189.7879</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>6.1036</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0918	0.0604	0.6172	1.9000e-003	0.2300	1.3900e-003	0.2314	0.0610	1.2800e-003	0.0623	189.6856	189.6856	4.0900e-003			189.7879
<b>Total</b>	<b>0.0918</b>	<b>0.0604</b>	<b>0.6172</b>	<b>1.9000e-003</b>	<b>0.2300</b>	<b>1.3900e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2800e-003</b>	<b>0.0623</b>	<b>189.6856</b>	<b>189.6856</b>	<b>4.0900e-003</b>			<b>189.7879</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>6.0907</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0862	0.0544	0.5665	1.8300e-003	0.2300	1.3600e-003	0.2314	0.0610	1.2500e-003	0.0623			182.4642	182.4642	3.6600e-003	182.5556
<b>Total</b>	<b>0.0862</b>	<b>0.0544</b>	<b>0.5665</b>	<b>1.8300e-003</b>	<b>0.2300</b>	<b>1.3600e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2500e-003</b>	<b>0.0623</b>			<b>182.4642</b>	<b>182.4642</b>	<b>3.6600e-003</b>	<b>182.5556</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.8990						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>6.0907</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0862	0.0544	0.5665	1.8300e-003	0.2300	1.3600e-003	0.2314	0.0610	1.2500e-003	0.0623	182.4642	182.4642	3.6600e-003			182.5556
<b>Total</b>	<b>0.0862</b>	<b>0.0544</b>	<b>0.5665</b>	<b>1.8300e-003</b>	<b>0.2300</b>	<b>1.3600e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2500e-003</b>	<b>0.0623</b>		<b>182.4642</b>	<b>182.4642</b>	<b>3.6600e-003</b>		<b>182.5556</b>

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9906	21.5007	34.6489	0.1367	11.3496	0.0982	11.4478	3.0416	0.0918	3.1334	13,883.05 47	13,883.05 47	0.5165			13,895.96 83
Unmitigated	3.1063	22.3961	37.2219	0.1499	12.6107	0.1075	12.7182	3.3796	0.1005	3.4801	15,220.47 80	15,220.47 80	0.5442			15,234.08 26

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	2,471.88	2,471.88	2471.88	5,907,172		5,316,455	
Parking Lot	0.00	0.00	0.00				
Total	2,471.88	2,471.88	2,471.88	5,907,172		5,316,455	

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Parking Lot	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333	524.9910	524.9910	0.0101	9.6200e-003	528.1108	
NaturalGas Unmitigated	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469	740.9202	740.9202	0.0142	0.0136	745.3231	

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	6297.82	0.0679	0.6174	0.5186	3.7000e-003		0.0469	0.0469		0.0469	0.0469	740.9202	740.9202	0.0142	0.0136	745.3231	
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
<b>Total</b>		<b>0.0679</b>	<b>0.6174</b>	<b>0.5186</b>	<b>3.7000e-003</b>		<b>0.0469</b>	<b>0.0469</b>		<b>0.0469</b>	<b>0.0469</b>	<b>740.9202</b>	<b>740.9202</b>	<b>0.0142</b>	<b>0.0136</b>	<b>745.3231</b>	

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	4.46242	0.0481	0.4375	0.3675	2.6200e-003		0.0333	0.0333		0.0333	0.0333	524.9910	524.9910	0.0101	9.6200e-003	528.1108	
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
<b>Total</b>		<b>0.0481</b>	<b>0.4375</b>	<b>0.3675</b>	<b>2.6200e-003</b>		<b>0.0333</b>	<b>0.0333</b>		<b>0.0333</b>	<b>0.0333</b>	<b>524.9910</b>	<b>524.9910</b>	<b>0.0101</b>	<b>9.6200e-003</b>	<b>528.1108</b>	

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
Unmitigated	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0678					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5800e-003	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.1529	0.1529	4.0000e-004			0.1629
<b>Total</b>	<b>3.4461</b>	<b>6.5000e-004</b>	<b>0.0712</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1529</b>	<b>0.1529</b>	<b>4.0000e-004</b>		<b>0.1629</b>

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3717						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	3.0678						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	6.5800e-003	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1529	0.1529	4.0000e-004		0.1629
Total	3.4461	6.5000e-004	0.0712	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1529	0.1529	4.0000e-004		0.1629

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## Rocklin Corporate Center - Existing Land Use Designation - Placer County APCD Air District, Winter

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## Rocklin Corporate Center - Existing Land Use Designation

### Placer County APCD Air District, Mitigation Report

#### **Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### **OFFROAD Equipment Mitigation**

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr							Unmitigated mt/yr				
Air Compressors	2.29200E-002	1.57020E-001	2.08450E-001	3.40000E-004	8.89000E-003	8.89000E-003	0.00000E+000	2.93624E+001	2.93624E+001	1.85000E-003	0.00000E+000	2.94086E+001
Cranes	3.67400E-002	4.07490E-001	1.88290E-001	5.80000E-004	1.69500E-002	1.56000E-002	0.00000E+000	5.10127E+001	5.10127E+001	1.65000E-002	0.00000E+000	5.14252E+001
Excavators	2.02000E-003	1.77700E-002	3.25500E-002	5.00000E-005	8.60000E-004	7.90000E-004	0.00000E+000	4.53606E+000	4.53606E+000	1.47000E-003	0.00000E+000	4.57274E+000
Forklifts	3.78000E-002	3.51940E-001	3.96910E-001	5.30000E-004	2.27800E-002	2.09500E-002	0.00000E+000	4.63305E+001	4.63305E+001	1.49800E-002	0.00000E+000	4.67051E+001
Generator Sets	3.69400E-002	3.27820E-001	4.22460E-001	7.60000E-004	1.61100E-002	1.61100E-002	0.00000E+000	6.49989E+001	6.49989E+001	3.00000E-003	0.00000E+000	6.50740E+001
Graders	4.15000E-003	5.25800E-002	1.72200E-002	7.00000E-005	1.67000E-003	1.54000E-003	0.00000E+000	5.81758E+000	5.81758E+000	1.88000E-003	0.00000E+000	5.86462E+000
Pavers	4.14000E-003	4.19800E-002	5.76800E-002	9.00000E-005	1.99000E-003	1.83000E-003	0.00000E+000	8.26006E+000	8.26006E+000	2.67000E-003	0.00000E+000	8.32685E+000
Paving Equipment	3.56000E-003	3.47500E-002	5.09200E-002	8.00000E-005	1.70000E-003	1.56000E-003	0.00000E+000	7.15711E+000	7.15711E+000	2.31000E-003	0.00000E+000	7.21498E+000
Rollers	3.33000E-003	3.45200E-002	3.72100E-002	5.00000E-005	1.99000E-003	1.83000E-003	0.00000E+000	4.61038E+000	4.61038E+000	1.49000E-003	0.00000E+000	4.64766E+000
Rubber Tired Dozers	2.09300E-002	2.19840E-001	8.95500E-002	2.10000E-004	1.04300E-002	9.60000E-003	0.00000E+000	1.87569E+001	1.87569E+001	6.07000E-003	0.00000E+000	1.89085E+001
Tractors/Loaders/Backhoes	5.64900E-002	5.74190E-001	7.86750E-001	1.10000E-003	3.01300E-002	2.77200E-002	0.00000E+000	9.61939E+001	9.61939E+001	3.11100E-002	0.00000E+000	9.69717E+001
Welders	3.08900E-002	1.66450E-001	1.94270E-001	2.90000E-004	6.98000E-003	6.98000E-003	0.00000E+000	2.16454E+001	2.16454E+001	2.51000E-003	0.00000E+000	2.17080E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr							Mitigated mt/yr				
Air Compressors	2.29200E-002	1.57020E-001	2.08450E-001	3.40000E-004	8.89000E-003	8.89000E-003	0.00000E+000	2.93624E+001	2.93624E+001	1.85000E-003	0.00000E+000	2.94086E+001
Cranes	3.67400E-002	4.07490E-001	1.88290E-001	5.80000E-004	1.69500E-002	1.56000E-002	0.00000E+000	5.10127E+001	5.10127E+001	1.65000E-002	0.00000E+000	5.14251E+001
Excavators	2.02000E-003	1.77700E-002	3.25500E-002	5.00000E-005	8.60000E-004	7.90000E-004	0.00000E+000	4.53606E+000	4.53606E+000	1.47000E-003	0.00000E+000	4.57273E+000
Forklifts	3.78000E-002	3.51940E-001	3.96910E-001	5.30000E-004	2.27800E-002	2.09500E-002	0.00000E+000	4.63305E+001	4.63305E+001	1.49800E-002	0.00000E+000	4.67051E+001
Generator Sets	3.69400E-002	3.27820E-001	4.22460E-001	7.60000E-004	1.61100E-002	1.61100E-002	0.00000E+000	6.49988E+001	6.49988E+001	3.00000E-003	0.00000E+000	6.50739E+001
Graders	4.15000E-003	5.25800E-002	1.72200E-002	7.00000E-005	1.67000E-003	1.54000E-003	0.00000E+000	5.81758E+000	5.81758E+000	1.88000E-003	0.00000E+000	5.86462E+000
Pavers	4.14000E-003	4.19800E-002	5.76800E-002	9.00000E-005	1.99000E-003	1.83000E-003	0.00000E+000	8.26005E+000	8.26005E+000	2.67000E-003	0.00000E+000	8.32684E+000
Paving Equipment	3.56000E-003	3.47500E-002	5.09200E-002	8.00000E-005	1.70000E-003	1.56000E-003	0.00000E+000	7.15711E+000	7.15711E+000	2.31000E-003	0.00000E+000	7.21497E+000
Rollers	3.33000E-003	3.45200E-002	3.72100E-002	5.00000E-005	1.99000E-003	1.83000E-003	0.00000E+000	4.61038E+000	4.61038E+000	1.49000E-003	0.00000E+000	4.64765E+000
Rubber Tired Dozers	2.09300E-002	2.19840E-001	8.95500E-002	2.10000E-004	1.04300E-002	9.60000E-003	0.00000E+000	1.87568E+001	1.87568E+001	6.07000E-003	0.00000E+000	1.89085E+001
Tractors/Loaders/Buckets	5.64900E-002	5.74180E-001	7.86750E-001	1.10000E-003	3.01300E-002	2.77200E-002	0.00000E+000	9.61938E+001	9.61938E+001	3.11100E-002	0.00000E+000	9.69716E+001
Welders	3.08900E-002	1.66450E-001	1.94270E-001	2.90000E-004	6.98000E-003	6.98000E-003	0.00000E+000	2.16454E+001	2.16454E+001	2.51000E-003	0.00000E+000	2.17080E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.36229E-006	1.36229E-006	0.00000E+000	0.00000E+000	1.36014E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17618E-006	1.17618E-006	0.00000E+000	0.00000E+000	1.16674E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.18687E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.07920E-006	1.07920E-006	0.00000E+000	0.00000E+000	1.28466E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23079E-006	1.23079E-006	0.00000E+000	0.00000E+000	1.22937E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21064E-006	1.21064E-006	0.00000E+000	0.00000E+000	1.20093E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38601E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.15162E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.59942E-006	1.59942E-006	0.00000E+000	0.00000E+000	1.05773E-006
Tractors/Loaders/Buckets	0.00000E+000	1.74158E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14352E-006	1.14352E-006	0.00000E+000	0.00000E+000	1.23747E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.23985E-007	9.23985E-007	0.00000E+000	0.00000E+000	1.38198E-006

## Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
--------	--------------------	------------------	------------------	------------------

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)
No	Unpaved Road Mitigation	Moisture Content %	Vehicle Speed (mph)	0.00

No	Clean Paved Road	% PM Reduction	0.00				
----	------------------	----------------	------	--	--	--	--

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.17	0.05	0.17	0.05	0.00	0.00
Grading	Fugitive Dust	0.07	0.03	0.07	0.03	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

### Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	9.14	9.14	9.17	8.98	9.14	9.14
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	3.55	3.88	7.33	8.75	8.68	8.69	0.00	8.73	8.73	5.32	0.00	8.73
Natural Gas	29.14	29.14	29.14	29.41	29.09	29.09	0.00	29.14	29.14	28.94	29.33	29.14
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.00	19.99	20.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	0.00
No	Land Use	Increase Diversity	0.11	0.33		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
Yes	Land Use	Increase Transit Accessibility	0.12	0.38		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.10			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.10		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	4.50		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.10		

## Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

## Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

## Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	20.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

## Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	50.00
--	-------

**Proposed Land Use Designation (HDR)  
CalEEMod Outputs**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**Rocklin Corporate Center - Proposed Residences**  
**Placer County APCD Air District, Annual**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	274.00	Dwelling Unit	8.76	274,000.00	784

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

Project Characteristics - CO2 Intensity Factor updated per PG&E RPS projections.

Land Use - Acreage adjusted per site plan.

Construction Phase - Phase timing adjusted based on applicant-provided information.

Grading - Total acres graded set to total developable acreage.

Vehicle Trips - Trip generation rate based on city-provided information.

Woodstoves - Fireplace numbers adjusted per AQ Questionnaire.

Mobile Land Use Mitigation -

Energy Mitigation - Required per 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with CalGreen Code and MWELO.

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	270.00
tblConstructionPhase	NumDays	230.00	270.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	3.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/30/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	5/16/2023
tblConstructionPhase	PhaseEndDate	5/12/2022	4/19/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	5/3/2022
tblConstructionPhase	PhaseEndDate	4/14/2022	4/5/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	5/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	5/4/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	4/6/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	4/20/2022
tblFireplaces	NumberGas	150.70	137.00
tblFireplaces	NumberNoFireplace	27.40	137.00
tblFireplaces	NumberWood	95.90	0.00
tblGrading	AcresOfGrading	5.00	9.10
tblLandUse	LotAcreage	7.21	8.76
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	6.39	6.50
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	6.50
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	6.50
tblVehicleTrips	WD_TR	32.93	0.00

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

## 2.0 Emissions Summary

---

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr											MT/yr					
2022	1.3331	2.0031	2.2583	5.1600e-003	0.2463	0.0882	0.3346	0.0814	0.0832	0.1646	0.0000	457.8212	457.8212	0.0646	0.0000	459.4368	
2023	0.8312	0.9216	1.1539	2.7100e-003	0.1051	0.0385	0.1435	0.0282	0.0364	0.0646	0.0000	240.7302	240.7302	0.0304	0.0000	241.4899	
Maximum	1.3331	2.0031	2.2583	5.1600e-003	0.2463	0.0882	0.3346	0.0814	0.0832	0.1646	0.0000	457.8212	457.8212	0.0646	0.0000	459.4368	

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr											MT/yr					
2022	1.3331	2.0031	2.2583	5.1600e-003	0.2463	0.0882	0.3346	0.0814	0.0832	0.1646	0.0000	457.8209	457.8209	0.0646	0.0000	459.4365	
2023	0.8312	0.9216	1.1539	2.7100e-003	0.1051	0.0385	0.1435	0.0282	0.0364	0.0646	0.0000	240.7300	240.7300	0.0304	0.0000	241.4897	
Maximum	1.3331	2.0031	2.2583	5.1600e-003	0.2463	0.0882	0.3346	0.0814	0.0832	0.1646	0.0000	457.8209	457.8209	0.0646	0.0000	459.4365	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2022	6-30-2022	0.9272	0.9272
2	7-1-2022	9-30-2022	1.2080	1.2080
3	10-1-2022	12-31-2022	1.2115	1.2115
4	1-1-2023	3-31-2023	1.1152	1.1152
5	4-1-2023	6-30-2023	0.6431	0.6431
		Highest	1.2115	1.2115

**2.2 Overall Operational**Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	1.6584	0.1580	4.6090	8.9700e-003		0.4324	0.4324		0.4324	0.4324	55.3853	111.2316	166.6169	0.2642	1.9800e-003	173.8107	
Energy	0.0159	0.1368	0.0639	8.7000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	301.6638	301.6638	0.0200	6.4100e-003	304.0733	
Mobile	0.4541	3.1358	5.3717	0.0236	1.8967	0.0164	1.9132	0.5102	0.0154	0.5256	0.0000	2,171.5600	2,171.5600	0.0689	0.0000	2,173.2829	
Waste						0.0000	0.0000		0.0000	0.0000	42.9407	0.0000	42.9407	2.5377	0.0000	106.3838	
Water						0.0000	0.0000		0.0000	0.0000	5.9451	15.9145	21.8596	0.6125	0.0148	41.5844	
<b>Total</b>	<b>2.1283</b>	<b>3.4306</b>	<b>10.0445</b>	<b>0.0334</b>	<b>1.8967</b>	<b>0.4599</b>	<b>2.3566</b>	<b>0.5102</b>	<b>0.4588</b>	<b>0.9690</b>	<b>104.2711</b>	<b>2,600.3698</b>	<b>2,704.6409</b>	<b>3.5033</b>	<b>0.0232</b>	<b>2,799.1351</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	1.6584	0.1580	4.6090	8.9700e-003		0.4324	0.4324		0.4324	0.4324	55.3853	111.2316	166.6169	0.2642	1.9800e-003	173.8107	
Energy	0.0151	0.1296	0.0604	8.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	149.1859	149.1859	2.8600e-003	2.7400e-003	150.0725	
Mobile	0.4360	3.0004	4.9599	0.0215	1.7071	0.0150	1.7221	0.4592	0.0140	0.4732	0.0000	1,977.9429	1,977.9429	0.0649	0.0000	1,979.5665	
Waste						0.0000	0.0000		0.0000	0.0000	42.9407	0.0000	42.9407	2.5377	0.0000	106.3838	
Water						0.0000	0.0000		0.0000	0.0000	4.7561	12.7316	17.4877	0.4900	0.0119	33.2675	
<b>Total</b>	<b>2.1094</b>	<b>3.2879</b>	<b>9.6293</b>	<b>0.0313</b>	<b>1.7071</b>	<b>0.4578</b>	<b>2.1649</b>	<b>0.4592</b>	<b>0.4569</b>	<b>0.9161</b>	<b>103.0821</b>	<b>2,251.0919</b>	<b>2,354.1741</b>	<b>3.3597</b>	<b>0.0166</b>	<b>2,443.1010</b>	

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.89	4.16	4.13	6.47	10.00	0.44	8.13	10.00	0.42	5.47	1.14	13.43	12.96	4.10	28.58	12.72

**3.0 Construction Detail****Construction Phase**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/5/2022	5	3	
2	Grading	Grading	4/6/2022	4/19/2022	5	10	
3	Building Construction	Building Construction	5/4/2022	5/16/2023	5	270	
4	Paving	Paving	4/20/2022	5/3/2022	5	10	
5	Architectural Coating	Architectural Coating	5/18/2022	5/30/2023	5	270	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 9.1**

**Acres of Paving: 0**

**Residential Indoor: 554,850; Residential Outdoor: 184,950; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 0 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	204.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	4.7600e-003	0.0496	0.0296	6.0000e-005		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	5.0159	5.0159	1.6200e-003	0.0000	5.0565	
<b>Total</b>	<b>4.7600e-003</b>	<b>0.0496</b>	<b>0.0296</b>	<b>6.0000e-005</b>	<b>0.0271</b>	<b>2.4200e-003</b>	<b>0.0295</b>	<b>0.0149</b>	<b>2.2300e-003</b>	<b>0.0171</b>	<b>0.0000</b>	<b>5.0159</b>	<b>5.0159</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>5.0565</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	8.0000e-005	5.0000e-005	5.9000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1701	0.1701	0.0000	0.0000	0.1702	
<b>Total</b>	<b>8.0000e-005</b>	<b>5.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1701</b>	<b>0.1701</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1702</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	4.7600e-003	0.0496	0.0296	6.0000e-005		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	5.0159	5.0159	1.6200e-003	0.0000	5.0565	
Total	4.7600e-003	0.0496	0.0296	6.0000e-005	0.0271	2.4200e-003	0.0295	0.0149	2.2300e-003	0.0171	0.0000	5.0159	5.0159	1.6200e-003	0.0000	5.0565	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	8.0000e-005	5.0000e-005	5.9000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1701	0.1701	0.0000	0.0000	0.1702	
Total	8.0000e-005	5.0000e-005	5.9000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1701	0.1701	0.0000	0.0000	0.1702	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					0.0349	0.0000	0.0349	0.0171	0.0000	0.0171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	9.7400e-003	0.1043	0.0764	1.5000e-004		4.7000e-003	4.7000e-003		4.3300e-003	4.3300e-003	0.0000	13.0274	13.0274	4.2100e-003	0.0000	13.1327	
<b>Total</b>	<b>9.7400e-003</b>	<b>0.1043</b>	<b>0.0764</b>	<b>1.5000e-004</b>	<b>0.0349</b>	<b>4.7000e-003</b>	<b>0.0396</b>	<b>0.0171</b>	<b>4.3300e-003</b>	<b>0.0214</b>	<b>0.0000</b>	<b>13.0274</b>	<b>13.0274</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.1327</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	2.3000e-004	1.5000e-004	1.6400e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.4725	0.4725	1.0000e-005	0.0000	0.4728		
<b>Total</b>	<b>2.3000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.4725</b>	<b>0.4725</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4728</b>		

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0349	0.0000	0.0349	0.0171	0.0000	0.0171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	9.7400e-003	0.1043	0.0764	1.5000e-004		4.7000e-003	4.7000e-003		4.3300e-003	4.3300e-003	0.0000	13.0274	13.0274	4.2100e-003	0.0000	13.1327	
<b>Total</b>	<b>9.7400e-003</b>	<b>0.1043</b>	<b>0.0764</b>	<b>1.5000e-004</b>	<b>0.0349</b>	<b>4.7000e-003</b>	<b>0.0396</b>	<b>0.0171</b>	<b>4.3300e-003</b>	<b>0.0214</b>	<b>0.0000</b>	<b>13.0274</b>	<b>13.0274</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.1327</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	2.3000e-004	1.5000e-004	1.6400e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.4725	0.4725	1.0000e-005	0.0000	0.4728		
<b>Total</b>	<b>2.3000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.4725</b>	<b>0.4725</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4728</b>		

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1476	1.3508	1.4154	2.3300e-003		0.0700	0.0700		0.0658	0.0658	0.0000	200.4423	200.4423	0.0480	0.0000	201.6428
<b>Total</b>	<b>0.1476</b>	<b>1.3508</b>	<b>1.4154</b>	<b>2.3300e-003</b>		<b>0.0700</b>	<b>0.0700</b>		<b>0.0658</b>	<b>0.0658</b>	<b>0.0000</b>	<b>200.4423</b>	<b>200.4423</b>	<b>0.0480</b>	<b>0.0000</b>	<b>201.6428</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9500e-003	0.2867	0.0536	7.9000e-004	0.0181	5.9000e-004	0.0187	5.2300e-003	5.7000e-004	5.8000e-003	0.0000	75.1771	75.1771	3.3400e-003	0.0000	75.2606
Worker	0.0533	0.0344	0.3857	1.2300e-003	0.1386	8.8000e-004	0.1395	0.0369	8.1000e-004	0.0377	0.0000	111.1692	111.1692	2.3700e-003	0.0000	111.2284
<b>Total</b>	<b>0.0612</b>	<b>0.3211</b>	<b>0.4393</b>	<b>2.0200e-003</b>	<b>0.1566</b>	<b>1.4700e-003</b>	<b>0.1581</b>	<b>0.0421</b>	<b>1.3800e-003</b>	<b>0.0435</b>	<b>0.0000</b>	<b>186.3463</b>	<b>186.3463</b>	<b>5.7100e-003</b>	<b>0.0000</b>	<b>186.4890</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1476	1.3508	1.4154	2.3300e-003		0.0700	0.0700		0.0658	0.0658	0.0000	200.4421	200.4421	0.0480	0.0000	201.6426
<b>Total</b>	<b>0.1476</b>	<b>1.3508</b>	<b>1.4154</b>	<b>2.3300e-003</b>		<b>0.0700</b>	<b>0.0700</b>		<b>0.0658</b>	<b>0.0658</b>	<b>0.0000</b>	<b>200.4421</b>	<b>200.4421</b>	<b>0.0480</b>	<b>0.0000</b>	<b>201.6426</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9500e-003	0.2867	0.0536	7.9000e-004	0.0181	5.9000e-004	0.0187	5.2300e-003	5.7000e-004	5.8000e-003	0.0000	75.1771	75.1771	3.3400e-003	0.0000	75.2606
Worker	0.0533	0.0344	0.3857	1.2300e-003	0.1386	8.8000e-004	0.1395	0.0369	8.1000e-004	0.0377	0.0000	111.1692	111.1692	2.3700e-003	0.0000	111.2284
<b>Total</b>	<b>0.0612</b>	<b>0.3211</b>	<b>0.4393</b>	<b>2.0200e-003</b>	<b>0.1566</b>	<b>1.4700e-003</b>	<b>0.1581</b>	<b>0.0421</b>	<b>1.3800e-003</b>	<b>0.0435</b>	<b>0.0000</b>	<b>186.3463</b>	<b>186.3463</b>	<b>5.7100e-003</b>	<b>0.0000</b>	<b>186.4890</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.6977	0.7878	1.3100e-003		0.0339	0.0339		0.0319	0.0319	0.0000	112.4253	112.4253	0.0267	0.0000	113.0939
<b>Total</b>	<b>0.0763</b>	<b>0.6977</b>	<b>0.7878</b>	<b>1.3100e-003</b>		<b>0.0339</b>	<b>0.0339</b>		<b>0.0319</b>	<b>0.0319</b>	<b>0.0000</b>	<b>112.4253</b>	<b>112.4253</b>	<b>0.0267</b>	<b>0.0000</b>	<b>113.0939</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-003	0.1330	0.0261	4.4000e-004	0.0101	1.5000e-004	0.0103	2.9300e-003	1.4000e-004	3.0700e-003	0.0000	41.3944	41.3944	1.3700e-003	0.0000	41.4287
Worker	0.0280	0.0174	0.1990	6.6000e-004	0.0777	4.8000e-004	0.0782	0.0207	4.4000e-004	0.0211	0.0000	59.9579	59.9579	1.1900e-003	0.0000	59.9877
<b>Total</b>	<b>0.0314</b>	<b>0.1504</b>	<b>0.2251</b>	<b>1.1000e-003</b>	<b>0.0878</b>	<b>6.3000e-004</b>	<b>0.0885</b>	<b>0.0236</b>	<b>5.8000e-004</b>	<b>0.0242</b>	<b>0.0000</b>	<b>101.3523</b>	<b>101.3523</b>	<b>2.5600e-003</b>	<b>0.0000</b>	<b>101.4164</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.6977	0.7878	1.3100e-003		0.0339	0.0339		0.0319	0.0319	0.0000	112.4252	112.4252	0.0267	0.0000	113.0938
<b>Total</b>	<b>0.0763</b>	<b>0.6977</b>	<b>0.7878</b>	<b>1.3100e-003</b>		<b>0.0339</b>	<b>0.0339</b>		<b>0.0319</b>	<b>0.0319</b>	<b>0.0000</b>	<b>112.4252</b>	<b>112.4252</b>	<b>0.0267</b>	<b>0.0000</b>	<b>113.0938</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-003	0.1330	0.0261	4.4000e-004	0.0101	1.5000e-004	0.0103	2.9300e-003	1.4000e-004	3.0700e-003	0.0000	41.3944	41.3944	1.3700e-003	0.0000	41.4287
Worker	0.0280	0.0174	0.1990	6.6000e-004	0.0777	4.8000e-004	0.0782	0.0207	4.4000e-004	0.0211	0.0000	59.9579	59.9579	1.1900e-003	0.0000	59.9877
<b>Total</b>	<b>0.0314</b>	<b>0.1504</b>	<b>0.2251</b>	<b>1.1000e-003</b>	<b>0.0878</b>	<b>6.3000e-004</b>	<b>0.0885</b>	<b>0.0236</b>	<b>5.8000e-004</b>	<b>0.0242</b>	<b>0.0000</b>	<b>101.3523</b>	<b>101.3523</b>	<b>2.5600e-003</b>	<b>0.0000</b>	<b>101.4164</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0556</b>	<b>0.0729</b>	<b>1.1000e-004</b>		<b>2.8400e-003</b>	<b>2.8400e-003</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>10.0138</b>	<b>10.0138</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.0948</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.5000e-004	1.6400e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4725	0.4725	1.0000e-005	0.0000	0.4728
<b>Total</b>	<b>2.3000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4725</b>	<b>0.4725</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4728</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0556</b>	<b>0.0729</b>	<b>1.1000e-004</b>		<b>2.8400e-003</b>	<b>2.8400e-003</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>10.0138</b>	<b>10.0138</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.0947</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.5000e-004	1.6400e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4725	0.4725	1.0000e-005	0.0000	0.4728
<b>Total</b>	<b>2.3000e-004</b>	<b>1.5000e-004</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4725</b>	<b>0.4725</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4728</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0770						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1148	0.1478	2.4000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	20.8090	20.8090	1.3500e-003	0.0000	20.8429
<b>Total</b>	<b>1.0937</b>	<b>0.1148</b>	<b>0.1478</b>	<b>2.4000e-004</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>20.8090</b>	<b>20.8090</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>20.8429</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.5200e-003	0.0730	2.3000e-004	0.0262	1.7000e-004	0.0264	6.9800e-003	1.5000e-004	7.1400e-003	0.0000	21.0513	21.0513	4.5000e-004	0.0000	21.0625
<b>Total</b>	<b>0.0101</b>	<b>6.5200e-003</b>	<b>0.0730</b>	<b>2.3000e-004</b>	<b>0.0262</b>	<b>1.7000e-004</b>	<b>0.0264</b>	<b>6.9800e-003</b>	<b>1.5000e-004</b>	<b>7.1400e-003</b>	<b>0.0000</b>	<b>21.0513</b>	<b>21.0513</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>21.0625</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0770						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1148	0.1478	2.4000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	20.8090	20.8090	1.3500e-003	0.0000	20.8429
<b>Total</b>	<b>1.0937</b>	<b>0.1148</b>	<b>0.1478</b>	<b>2.4000e-004</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>20.8090</b>	<b>20.8090</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>20.8429</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.5200e-003	0.0730	2.3000e-004	0.0262	1.7000e-004	0.0264	6.9800e-003	1.5000e-004	7.1400e-003	0.0000	21.0513	21.0513	4.5000e-004	0.0000	21.0625
<b>Total</b>	<b>0.0101</b>	<b>6.5200e-003</b>	<b>0.0730</b>	<b>2.3000e-004</b>	<b>0.0262</b>	<b>1.7000e-004</b>	<b>0.0264</b>	<b>6.9800e-003</b>	<b>1.5000e-004</b>	<b>7.1400e-003</b>	<b>0.0000</b>	<b>21.0513</b>	<b>21.0513</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>21.0625</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7070						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0697	0.0969	1.6000e-004		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	13.6599	13.6599	8.2000e-004	0.0000	13.6803
<b>Total</b>	<b>0.7173</b>	<b>0.0697</b>	<b>0.0969</b>	<b>1.6000e-004</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>13.6599</b>	<b>13.6599</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>13.6803</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2100e-003	3.8600e-003	0.0441	1.5000e-004	0.0172	1.1000e-004	0.0173	4.5800e-003	1.0000e-004	4.6800e-003	0.0000	13.2927	13.2927	2.6000e-004	0.0000	13.2993
<b>Total</b>	<b>6.2100e-003</b>	<b>3.8600e-003</b>	<b>0.0441</b>	<b>1.5000e-004</b>	<b>0.0172</b>	<b>1.1000e-004</b>	<b>0.0173</b>	<b>4.5800e-003</b>	<b>1.0000e-004</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>13.2927</b>	<b>13.2927</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>13.2993</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7070						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0697	0.0969	1.6000e-004		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	13.6599	13.6599	8.2000e-004	0.0000	13.6803
<b>Total</b>	<b>0.7173</b>	<b>0.0697</b>	<b>0.0969</b>	<b>1.6000e-004</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>13.6599</b>	<b>13.6599</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>13.6803</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2100e-003	3.8600e-003	0.0441	1.5000e-004	0.0172	1.1000e-004	0.0173	4.5800e-003	1.0000e-004	4.6800e-003	0.0000	13.2927	13.2927	2.6000e-004	0.0000	13.2993
<b>Total</b>	<b>6.2100e-003</b>	<b>3.8600e-003</b>	<b>0.0441</b>	<b>1.5000e-004</b>	<b>0.0172</b>	<b>1.1000e-004</b>	<b>0.0173</b>	<b>4.5800e-003</b>	<b>1.0000e-004</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>13.2927</b>	<b>13.2927</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>13.2993</b>

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4360	3.0004	4.9599	0.0215	1.7071	0.0150	1.7221	0.4592	0.0140	0.4732	0.0000	1,977.942	1,977.942	0.0649	0.0000	1,979.566
Unmitigated	0.4541	3.1358	5.3717	0.0236	1.8967	0.0164	1.9132	0.5102	0.0154	0.5256	0.0000	2,171.560	2,171.560	0.0689	0.0000	2,173.282

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Mid Rise	1,781.00	1,781.00	1781.00	5,101,750	5,101,750	4,591,575	4,591,575
Health Club	0.00	0.00	0.00				
Total	1,781.00	1,781.00	1,781.00	5,101,750	5,101,750	4,591,575	4,591,575

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

**4.4 Fleet Mix**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Health Club	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	144.2096	144.2096	0.0170	3.5200e-003	145.6835	
NaturalGas Mitigated	0.0151	0.1296	0.0604	8.2000e-004			0.0104	0.0104		0.0104	0.0104	0.0000	149.1859	149.1859	2.8600e-003	2.7400e-003	150.0725
NaturalGas Unmitigated	0.0159	0.1368	0.0639	8.7000e-004			0.0110	0.0110		0.0110	0.0110	0.0000	157.4542	157.4542	3.0200e-003	2.8900e-003	158.3898

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.67098e+006	0.0144	0.1231	0.0524	7.9000e-004		9.9500e-003	9.9500e-003		9.9500e-003	9.9500e-003	0.0000	142.5336	142.5336	2.7300e-003	2.6100e-003	143.3806
Health Club	279600	1.5100e-003	0.0137	0.0115	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	14.9205	14.9205	2.9000e-004	2.7000e-004	15.0092
<b>Total</b>		<b>0.0159</b>	<b>0.1368</b>	<b>0.0639</b>	<b>8.7000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>	<b>0.0000</b>	<b>157.4542</b>	<b>157.4542</b>	<b>3.0200e-003</b>	<b>2.8800e-003</b>	<b>158.3898</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.53555e+006	0.0137	0.1168	0.0497	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3065	135.3065	2.5900e-003	2.4800e-003	136.1105
Health Club	260091	1.4000e-003	0.0128	0.0107	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	13.8795	13.8795	2.7000e-004	2.5000e-004	13.9619
<b>Total</b>		<b>0.0151</b>	<b>0.1296</b>	<b>0.0604</b>	<b>8.3000e-004</b>		<b>0.0104</b>	<b>0.0104</b>		<b>0.0104</b>	<b>0.0104</b>	<b>0.0000</b>	<b>149.1859</b>	<b>149.1859</b>	<b>2.8600e-003</b>	<b>2.7300e-003</b>	<b>150.0725</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.16627e+006	130.0733	0.0153	3.1700e-003	131.4027
Health Club	126750	14.1363	1.6700e-003	3.4000e-004	14.2808
<b>Total</b>		<b>144.2096</b>	<b>0.0170</b>	<b>3.5100e-003</b>	<b>145.6835</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6584	0.1580	4.6090	8.9700e-003		0.4324	0.4324		0.4324	0.4324	55.3853	111.2316	166.6169	0.2642	1.9800e-003	173.8107
Unmitigated	1.6584	0.1580	4.6090	8.9700e-003		0.4324	0.4324		0.4324	0.4324	55.3853	111.2316	166.6169	0.2642	1.9800e-003	173.8107

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2901	0.1345	2.5752	8.8700e-003		0.4212	0.4212		0.4212	0.4212	55.3853	107.9080	163.2933	0.2610	1.9800e-003	170.4075
Landscaping	0.0612	0.0234	2.0338	1.1000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	3.3236	3.3236	3.1900e-003	0.0000	3.4033
<b>Total</b>	<b>1.6584</b>	<b>0.1580</b>	<b>4.6090</b>	<b>8.9800e-003</b>		<b>0.4324</b>	<b>0.4324</b>		<b>0.4324</b>	<b>0.4324</b>	<b>55.3853</b>	<b>111.2316</b>	<b>166.6169</b>	<b>0.2642</b>	<b>1.9800e-003</b>	<b>173.8107</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1784						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1287						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2901	0.1345	2.5752	8.8700e-003		0.4212	0.4212		0.4212	0.4212	55.3853	107.9080	163.2933	0.2610	1.9800e-003	170.4075
Landscaping	0.0612	0.0234	2.0338	1.1000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	3.3236	3.3236	3.1900e-003	0.0000	3.4033
<b>Total</b>	<b>1.6584</b>	<b>0.1580</b>	<b>4.6090</b>	<b>8.9800e-003</b>		<b>0.4324</b>	<b>0.4324</b>		<b>0.4324</b>	<b>0.4324</b>	<b>55.3853</b>	<b>111.2316</b>	<b>166.6169</b>	<b>0.2642</b>	<b>1.9800e-003</b>	<b>173.8107</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.4877	0.4900	0.0119	33.2675
Unmitigated	21.8596	0.6125	0.0148	41.5844

**7.2 Water by Land Use****Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.8522 / 11.2546	20.8305	0.5835	0.0141	39.6216
Health Club	0.887147 / 0.543735	1.0291	0.0290	7.0000e-004	1.9628

<b>Total</b>		<b>21.8596</b>	<b>0.6125</b>	<b>0.0148</b>	<b>41.5844</b>
--------------	--	----------------	---------------	---------------	----------------

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.2818 / 9.00372	16.6644	0.4668	0.0113	31.6972
Health Club	0.709718 / 0.434988	0.8233	0.0232	5.6000e-004	1.5703
<b>Total</b>		<b>17.4877</b>	<b>0.4900</b>	<b>0.0118</b>	<b>33.2675</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	42.9407	2.5377	0.0000	106.3838
Unmitigated	42.9407	2.5377	0.0000	106.3838

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.04	25.5850	1.5120	0.0000	63.3857
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
<b>Total</b>		<b>42.9407</b>	<b>2.5377</b>	<b>0.0000</b>	<b>106.3838</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	126.04	25.5850	1.5120	0.0000	63.3857
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
<b>Total</b>		<b>42.9407</b>	<b>2.5377</b>	<b>0.0000</b>	<b>106.3838</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Annual

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**Rocklin Corporate Center - Proposed Residences**  
**Placer County APCD Air District, Summer**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	274.00	Dwelling Unit	8.76	274,000.00	784

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

Project Characteristics - CO2 Intensity Factor updated per PG&E RPS projections.

Land Use - Acreage adjusted per site plan.

Construction Phase - Phase timing adjusted based on applicant-provided information.

Grading - Total acres graded set to total developable acreage.

Vehicle Trips - Trip generation rate based on city-provided information.

Woodstoves - Fireplace numbers adjusted per AQ Questionnaire.

Mobile Land Use Mitigation -

Energy Mitigation - Required per 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with CalGreen Code and MWELO.

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	270.00
tblConstructionPhase	NumDays	230.00	270.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	3.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/30/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	5/16/2023
tblConstructionPhase	PhaseEndDate	5/12/2022	4/19/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	5/3/2022
tblConstructionPhase	PhaseEndDate	4/14/2022	4/5/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	5/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	5/4/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	4/6/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	4/20/2022
tblFireplaces	NumberGas	150.70	137.00
tblFireplaces	NumberNoFireplace	27.40	137.00
tblFireplaces	NumberWood	95.90	0.00
tblGrading	AcresOfGrading	5.00	9.10
tblLandUse	LotAcreage	7.21	8.76
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	6.39	6.50
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	6.50
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	6.50
tblVehicleTrips	WD_TR	32.93	0.00

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

## 2.0 Emissions Summary

---

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	16.0431	33.1145	24.8387	0.0579	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,671.864 6	5,671.864 6	1.1951	0.0000	5,689.616 5
2023	15.8235	18.7849	24.1846	0.0570	2.2293	0.7854	3.0148	0.5962	0.7430	1.3393	0.0000	5,584.194 6	5,584.194 6	0.6898	0.0000	5,601.438 3
Maximum	16.0431	33.1145	24.8387	0.0579	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,671.864 6	5,671.864 6	1.1951	0.0000	5,689.616 5

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	16.0431	33.1145	24.8387	0.0579	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,671.864 6	5,671.864 6	1.1951	0.0000	5,689.616 5
2023	15.8235	18.7849	24.1846	0.0570	2.2293	0.7854	3.0148	0.5962	0.7430	1.3393	0.0000	5,584.194 6	5,584.194 6	0.6898	0.0000	5,601.438 3
Maximum	16.0431	33.1145	24.8387	0.0579	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,671.864 6	5,671.864 6	1.1951	0.0000	5,689.616 5

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8	
Energy	0.0872	0.7495	0.3501	4.7600e-003		0.0602	0.0602		0.0602	0.0602		951.0328	951.0328	0.0182	0.0174	956.6844	
Mobile	3.0310	16.7730	32.0086	0.1378	10.8913	0.0902	10.9815	2.9188	0.0843	3.0031		13,979.95 55	13,979.95 55	0.4179		13,990.40 23	
<b>Total</b>	<b>18.0356</b>	<b>21.0643</b>	<b>117.7659</b>	<b>0.3600</b>	<b>10.8913</b>	<b>10.5480</b>	<b>21.4392</b>	<b>2.9188</b>	<b>10.5421</b>	<b>13.4609</b>	<b>1,489.069 4</b>	<b>17,872.87 15</b>	<b>19,361.94 09</b>	<b>7.4919</b>	<b>0.0706</b>	<b>19,570.28 34</b>	

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8	
Energy	0.0826	0.7101	0.3311	4.5100e-003		0.0571	0.0571		0.0571	0.0571		901.0922	901.0922	0.0173	0.0165	906.4469	
Mobile	2.9295	16.0824	29.3583	0.1254	9.8022	0.0822	9.8843	2.6269	0.0768	2.7037		12,731.73 32	12,731.73 32	0.3923		12,741.54 02	
<b>Total</b>	<b>17.9295</b>	<b>20.3343</b>	<b>115.0966</b>	<b>0.3474</b>	<b>9.8022</b>	<b>10.5368</b>	<b>20.3389</b>	<b>2.6269</b>	<b>10.5314</b>	<b>13.1583</b>	<b>1,489.069 4</b>	<b>16,574.70 84</b>	<b>18,063.77 79</b>	<b>7.4653</b>	<b>0.0697</b>	<b>18,271.18 39</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.59	3.47	2.27	3.49	10.00	0.11	5.13	10.00	0.10	2.25	0.00	7.26	6.70	0.35	1.30	6.64

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/5/2022	5	3	
2	Grading	Grading	4/6/2022	4/19/2022	5	10	
3	Building Construction	Building Construction	5/4/2022	5/16/2023	5	270	
4	Paving	Paving	4/20/2022	5/3/2022	5	10	
5	Architectural Coating	Architectural Coating	5/18/2022	5/30/2023	5	270	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9.1

Acres of Paving: 0

Residential Indoor: 554,850; Residential Outdoor: 184,950; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	204.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	3,686.061 9	3,686.061 9	1.1922			3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>			<b>3,715.865 5</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0608	0.0310	0.4482	1.3700e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			136.9564	136.9564	2.9200e-003	137.0293	
<b>Total</b>	<b>0.0608</b>	<b>0.0310</b>	<b>0.4482</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>136.9564</b>	<b>136.9564</b>	<b>2.9200e-003</b>	<b>137.0293</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>0.0000</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>		<b>3,715.865 5</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0608	0.0310	0.4482	1.3700e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			136.9564	136.9564	2.9200e-003	137.0293	
<b>Total</b>	<b>0.0608</b>	<b>0.0310</b>	<b>0.4482</b>	<b>1.3700e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>136.9564</b>	<b>136.9564</b>	<b>2.9200e-003</b>	<b>137.0293</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9871	0.0000	6.9871	3.4144	0.0000	3.4144			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.9871</b>	<b>0.9409</b>	<b>7.9280</b>	<b>3.4144</b>	<b>0.8656</b>	<b>4.2800</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			114.1304	114.1304	2.4300e-003	114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>	<b>114.1911</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9871	0.0000	6.9871	3.4144	0.0000	3.4144			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.9871</b>	<b>0.9409</b>	<b>7.9280</b>	<b>3.4144</b>	<b>0.8656</b>	<b>4.2800</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			114.1304	114.1304	2.4300e-003	114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>	<b>114.1911</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2	
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0894	3.2763	0.5609	9.2900e-003	0.2167	6.6800e-003	0.2234	0.0624	6.3900e-003	0.0688		971.9538	971.9538	0.0401		972.9569	
Worker	0.6894	0.3513	5.0798	0.0156	1.6758	0.0101	1.6859	0.4445	9.3300e-003	0.4538		1,552.172 9	1,552.172 9	0.0330		1,552.998 9	
<b>Total</b>	<b>0.7788</b>	<b>3.6276</b>	<b>5.6408</b>	<b>0.0249</b>	<b>1.8925</b>	<b>0.0168</b>	<b>1.9094</b>	<b>0.5069</b>	<b>0.0157</b>	<b>0.5226</b>		<b>2,524.126 7</b>	<b>2,524.126 7</b>	<b>0.0732</b>		<b>2,525.955 8</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day														lb/day	
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day														lb/day	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0894	3.2763	0.5609	9.2900e-003	0.2167	6.6800e-003	0.2234	0.0624	6.3900e-003	0.0688	971.9538	971.9538	0.0401			972.9569
Worker	0.6894	0.3513	5.0798	0.0156	1.6758	0.0101	1.6859	0.4445	9.3300e-003	0.4538	1,552.172 9	1,552.172 9	0.0330			1,552.998 9
<b>Total</b>	<b>0.7788</b>	<b>3.6276</b>	<b>5.6408</b>	<b>0.0249</b>	<b>1.8925</b>	<b>0.0168</b>	<b>1.9094</b>	<b>0.5069</b>	<b>0.0157</b>	<b>0.5226</b>	<b>2,524.126 7</b>	<b>2,524.126 7</b>	<b>0.0732</b>			<b>2,525.955 8</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0682	2.7165	0.4909	9.1200e-003	0.2167	2.9500e-003	0.2197	0.0624	2.8200e-003	0.0652	954.5070	954.5070	0.0294		955.2428	
Worker	0.6461	0.3168	4.6950	0.0150	1.6758	9.9200e-003	1.6857	0.4445	9.1400e-003	0.4536	1,492.971 6	1,492.971 6	0.0297		1,493.713 4	
<b>Total</b>	<b>0.7143</b>	<b>3.0333</b>	<b>5.1859</b>	<b>0.0241</b>	<b>1.8925</b>	<b>0.0129</b>	<b>1.9054</b>	<b>0.5069</b>	<b>0.0120</b>	<b>0.5189</b>	<b>2,447.478 7</b>	<b>2,447.478 7</b>	<b>0.0591</b>		<b>2,448.956 2</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0682	2.7165	0.4909	9.1200e-003	0.2167	2.9500e-003	0.2197	0.0624	2.8200e-003	0.0652	954.5070	954.5070	0.0294			955.2428
Worker	0.6461	0.3168	4.6950	0.0150	1.6758	9.9200e-003	1.6857	0.4445	9.1400e-003	0.4536	1,492.971 6	1,492.971 6	0.0297			1,493.713 4
<b>Total</b>	<b>0.7143</b>	<b>3.0333</b>	<b>5.1859</b>	<b>0.0241</b>	<b>1.8925</b>	<b>0.0129</b>	<b>1.9054</b>	<b>0.5069</b>	<b>0.0120</b>	<b>0.5189</b>	<b>2,447.478 7</b>	<b>2,447.478 7</b>	<b>0.0591</b>			<b>2,448.956 2</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140		2,225.510 4	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
<b>Total</b>	<b>1.1028</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	114.1304	114.1304	2.4300e-003		114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>	<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>		<b>114.1911</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1028</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660</b>	<b>2,207.660</b>	<b>0.7140</b>		<b>2,225.510</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	114.1304	114.1304	2.4300e-003			114.1911	
<b>Total</b>	<b>0.0507</b>	<b>0.0258</b>	<b>0.3735</b>	<b>1.1500e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>114.1304</b>	<b>114.1304</b>	<b>2.4300e-003</b>		<b>114.1911</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>13.4194</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.1386	0.0706	1.0209	3.1300e-003	0.3368	2.0400e-003	0.3388	0.0893	1.8800e-003	0.0912			311.9563	311.9563	6.6400e-003		312.1223
<b>Total</b>	<b>0.1386</b>	<b>0.0706</b>	<b>1.0209</b>	<b>3.1300e-003</b>	<b>0.3368</b>	<b>2.0400e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8800e-003</b>	<b>0.0912</b>			<b>311.9563</b>	<b>311.9563</b>	<b>6.6400e-003</b>		<b>312.1223</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>13.4194</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.1386	0.0706	1.0209	3.1300e-003	0.3368	2.0400e-003	0.3388	0.0893	1.8800e-003	0.0912	311.9563	311.9563	6.6400e-003			312.1223	
<b>Total</b>	<b>0.1386</b>	<b>0.0706</b>	<b>1.0209</b>	<b>3.1300e-003</b>	<b>0.3368</b>	<b>2.0400e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8800e-003</b>	<b>0.0912</b>		<b>311.9563</b>	<b>311.9563</b>	<b>6.6400e-003</b>		<b>312.1223</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>13.4066</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.1299	0.0637	0.9436	3.0100e-003	0.3368	1.9900e-003	0.3388	0.0893	1.8400e-003	0.0912			300.0580	300.0580	5.9600e-003		300.2071
<b>Total</b>	<b>0.1299</b>	<b>0.0637</b>	<b>0.9436</b>	<b>3.0100e-003</b>	<b>0.3368</b>	<b>1.9900e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8400e-003</b>	<b>0.0912</b>			<b>300.0580</b>	<b>300.0580</b>	<b>5.9600e-003</b>		<b>300.2071</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>13.4066</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.1299	0.0637	0.9436	3.0100e-003	0.3368	1.9900e-003	0.3388	0.0893	1.8400e-003	0.0912	300.0580	300.0580	5.9600e-003			300.2071
<b>Total</b>	<b>0.1299</b>	<b>0.0637</b>	<b>0.9436</b>	<b>3.0100e-003</b>	<b>0.3368</b>	<b>1.9900e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8400e-003</b>	<b>0.0912</b>		<b>300.0580</b>	<b>300.0580</b>	<b>5.9600e-003</b>		<b>300.2071</b>

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

## 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9295	16.0824	29.3583	0.1254	9.8022	0.0822	9.8843	2.6269	0.0768	2.7037	12,731.73 32	12,731.73 32	0.3923		12,741.54 02	
Unmitigated	3.0310	16.7730	32.0086	0.1378	10.8913	0.0902	10.9815	2.9188	0.0843	3.0031	13,979.95 55	13,979.95 55	0.4179		13,990.40 23	

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Mid Rise	1,781.00	1,781.00	1,781.00	5,101,750		4,591,575	
Health Club	0.00	0.00	0.00				
Total	1,781.00	1,781.00	1,781.00	5,101,750		4,591,575	

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

## 4.4 Fleet Mix

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Health Club	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0826	0.7101	0.3311	4.5100e-003			0.0571	0.0571		0.0571	0.0571		901.0922	901.0922	0.0173	0.0165	906.4469
NaturalGas Unmitigated	0.0872	0.7495	0.3501	4.7600e-003			0.0602	0.0602		0.0602	0.0602		951.0328	951.0328	0.0182	0.0174	956.6844

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	7317.75	0.0789	0.6744	0.2870	4.3000e-003		0.0545	0.0545		0.0545	0.0545	860.9120	860.9120	0.0165	0.0158	866.0279	
Health Club	766.027	8.2600e-003	0.0751	0.0631	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	90.1209	90.1209	1.7300e-003	1.6500e-003	90.6564	
<b>Total</b>		<b>0.0872</b>	<b>0.7495</b>	<b>0.3501</b>	<b>4.7500e-003</b>		<b>0.0602</b>	<b>0.0602</b>		<b>0.0602</b>	<b>0.0602</b>		<b>951.0328</b>	<b>951.0328</b>	<b>0.0182</b>	<b>0.0174</b>	<b>956.6844</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6.94671	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	817.2595	817.2595	0.0157	0.0150	822.1160	
Health Club	0.712578	7.6800e-003	0.0699	0.0587	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	83.8327	83.8327	1.6100e-003	1.5400e-003	84.3309	
<b>Total</b>		<b>0.0826</b>	<b>0.7101</b>	<b>0.3311</b>	<b>4.5100e-003</b>		<b>0.0571</b>	<b>0.0571</b>		<b>0.0571</b>	<b>0.0571</b>		<b>901.0922</b>	<b>901.0922</b>	<b>0.0173</b>	<b>0.0165</b>	<b>906.4469</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8
Unmitigated	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.0757	3.2814	62.8099	0.2163		10.2723	10.2723		10.2723	10.2723	1,489.069 4	2,901.176 5	4,390.245 9	7.0167	0.0532	4,581.513 6
Landscaping	0.6796	0.2604	22.5974	1.1900e-003		0.1252	0.1252		0.1252	0.1252		40.7066	40.7066	0.0391		41.6832
<b>Total</b>	<b>14.9174</b>	<b>3.5418</b>	<b>85.4072</b>	<b>0.2175</b>		<b>10.3975</b>	<b>10.3975</b>		<b>10.3975</b>	<b>10.3975</b>	<b>1,489.069 4</b>	<b>2,941.883 1</b>	<b>4,430.952 5</b>	<b>7.0558</b>	<b>0.0532</b>	<b>4,623.196 8</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.0757	3.2814	62.8099	0.2163		10.2723	10.2723		10.2723	10.2723	1,489.069 4	2,901.176 5	4,390.245 9	7.0167	0.0532	4,581.513 6
Landscaping	0.6796	0.2604	22.5974	1.1900e-003		0.1252	0.1252		0.1252	0.1252		40.7066	40.7066	0.0391		41.6832
<b>Total</b>	<b>14.9174</b>	<b>3.5418</b>	<b>85.4072</b>	<b>0.2175</b>		<b>10.3975</b>	<b>10.3975</b>		<b>10.3975</b>	<b>10.3975</b>	<b>1,489.069 4</b>	<b>2,941.883 1</b>	<b>4,430.952 5</b>	<b>7.0558</b>	<b>0.0532</b>	<b>4,623.196 8</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Summer

## 9.0 Operational Offroad

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**Rocklin Corporate Center - Proposed Residences**  
**Placer County APCD Air District, Winter**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	274.00	Dwelling Unit	8.76	274,000.00	784

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

**Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter**

Project Characteristics - CO2 Intensity Factor updated per PG&E RPS projections.

Land Use - Acreage adjusted per site plan.

Construction Phase - Phase timing adjusted based on applicant-provided information.

Grading - Total acres graded set to total developable acreage.

Vehicle Trips - Trip generation rate based on city-provided information.

Woodstoves - Fireplace numbers adjusted per AQ Questionnaire.

Mobile Land Use Mitigation -

Energy Mitigation - Required per 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with CalGreen Code and MWELO.

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	270.00
tblConstructionPhase	NumDays	230.00	270.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	3.00
tblConstructionPhase	PhaseEndDate	5/25/2023	5/30/2023
tblConstructionPhase	PhaseEndDate	3/30/2023	5/16/2023
tblConstructionPhase	PhaseEndDate	5/12/2022	4/19/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	5/3/2022
tblConstructionPhase	PhaseEndDate	4/14/2022	4/5/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	5/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	5/4/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	4/6/2022
tblConstructionPhase	PhaseStartDate	3/31/2023	4/20/2022
tblFireplaces	NumberGas	150.70	137.00
tblFireplaces	NumberNoFireplace	27.40	137.00
tblFireplaces	NumberWood	95.90	0.00
tblGrading	AcresOfGrading	5.00	9.10
tblLandUse	LotAcreage	7.21	8.76
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblVehicleTrips	ST_TR	6.39	6.50
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	6.50
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	6.50
tblVehicleTrips	WD_TR	32.93	0.00

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

## 2.0 Emissions Summary

---

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	16.0242	33.1223	24.2634	0.0555	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,434.312 2	5,434.312 2	1.1948	0.0000	5,452.102 7
2023	15.8066	18.8892	23.6016	0.0547	2.2293	0.7855	3.0149	0.5962	0.7432	1.3394	0.0000	5,355.130 8	5,355.130 8	0.6901	0.0000	5,372.383 7
Maximum	16.0242	33.1223	24.2634	0.0555	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,434.312 2	5,434.312 2	1.1948	0.0000	5,452.102 7

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	16.0242	33.1223	24.2634	0.0555	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,434.312 2	5,434.312 2	1.1948	0.0000	5,452.102 7
2023	15.8066	18.8892	23.6016	0.0547	2.2293	0.7855	3.0149	0.5962	0.7432	1.3394	0.0000	5,355.130 8	5,355.130 8	0.6901	0.0000	5,372.383 7
Maximum	16.0242	33.1223	24.2634	0.0555	18.2141	1.6135	19.8276	9.9699	1.4844	11.4543	0.0000	5,434.312 2	5,434.312 2	1.1948	0.0000	5,452.102 7

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8
Energy	0.0872	0.7495	0.3501	4.7600e-003		0.0602	0.0602		0.0602	0.0602		951.0328	951.0328	0.0182	0.0174	956.6844
Mobile	2.4036	17.4182	30.5018	0.1269	10.8913	0.0908	10.9820	2.9188	0.0848	3.0036		12,880.93 38	12,880.93 38	0.4317		12,891.72 51
<b>Total</b>	<b>17.4082</b>	<b>21.7095</b>	<b>116.2591</b>	<b>0.3491</b>	<b>10.8913</b>	<b>10.5485</b>	<b>21.4398</b>	<b>2.9188</b>	<b>10.5426</b>	<b>13.4614</b>	<b>1,489.069 4</b>	<b>16,773.84 97</b>	<b>18,262.91 91</b>	<b>7.5057</b>	<b>0.0706</b>	<b>18,471.60 63</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8
Energy	0.0826	0.7101	0.3311	4.5100e-003		0.0571	0.0571		0.0571	0.0571		901.0922	901.0922	0.0173	0.0165	906.4469
Mobile	2.3037	16.6449	28.2796	0.1155	9.8022	0.0827	9.8849	2.6269	0.0773	2.7042		11,725.863 3	11,725.863 3	0.4078		11,736.057 9
<b>Total</b>	<b>17.3037</b>	<b>20.8968</b>	<b>114.0179</b>	<b>0.3374</b>	<b>9.8022</b>	<b>10.5373</b>	<b>20.3395</b>	<b>2.6269</b>	<b>10.5319</b>	<b>13.1588</b>	<b>1,489.069 4</b>	<b>15,568.83 86</b>	<b>17,057.90 80</b>	<b>7.4808</b>	<b>0.0697</b>	<b>17,265.70 16</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.60	3.74	1.93	3.34	10.00	0.11	5.13	10.00	0.10	2.25	0.00	7.18	6.60	0.33	1.30	6.53

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/5/2022	5	3	
2	Grading	Grading	4/6/2022	4/19/2022	5	10	
3	Building Construction	Building Construction	5/4/2022	5/16/2023	5	270	
4	Paving	Paving	4/20/2022	5/3/2022	5	10	
5	Architectural Coating	Architectural Coating	5/18/2022	5/30/2023	5	270	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9.1

Acres of Paving: 0

Residential Indoor: 554,850; Residential Outdoor: 184,950; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	204.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.2 Site Preparation - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	3,686.061 9	3,686.061 9	1.1922			3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>			<b>3,715.865 5</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0590	0.0388	0.3967	1.2200e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			121.9408	121.9408	2.6300e-003	122.0065	
<b>Total</b>	<b>0.0590</b>	<b>0.0388</b>	<b>0.3967</b>	<b>1.2200e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>121.9408</b>	<b>121.9408</b>	<b>2.6300e-003</b>	<b>122.0065</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.2 Site Preparation - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>0.0000</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>		<b>3,715.865 5</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0590	0.0388	0.3967	1.2200e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400			121.9408	121.9408	2.6300e-003	122.0065	
<b>Total</b>	<b>0.0590</b>	<b>0.0388</b>	<b>0.3967</b>	<b>1.2200e-003</b>	<b>0.1479</b>	<b>8.9000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.2000e-004</b>	<b>0.0400</b>			<b>121.9408</b>	<b>121.9408</b>	<b>2.6300e-003</b>	<b>122.0065</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9871	0.0000	6.9871	3.4144	0.0000	3.4144			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.9871</b>	<b>0.9409</b>	<b>7.9280</b>	<b>3.4144</b>	<b>0.8656</b>	<b>4.2800</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			101.6173	101.6173	2.1900e-003	101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>	<b>101.6721</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9871	0.0000	6.9871	3.4144	0.0000	3.4144			0.0000			0.0000	
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4	
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.9871</b>	<b>0.9409</b>	<b>7.9280</b>	<b>3.4144</b>	<b>0.8656</b>	<b>4.2800</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>	

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334			101.6173	101.6173	2.1900e-003	101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>			<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>	<b>101.6721</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.333 6	2,554.333 6	0.6120			2,569.632 2	
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>			<b>2,569.632 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0954	3.2938	0.6863	8.9700e-003	0.2167	7.0500e-003	0.2238	0.0624	6.7400e-003	0.0691	938.7812	938.7812	0.0456			939.9201	
Worker	0.6688	0.4398	4.4964	0.0139	1.6758	0.0101	1.6859	0.4445	9.3300e-003	0.4538	1,381.995 3	1,381.995 3	0.0298			1,382.740 6	
<b>Total</b>	<b>0.7641</b>	<b>3.7336</b>	<b>5.1827</b>	<b>0.0228</b>	<b>1.8925</b>	<b>0.0172</b>	<b>1.9097</b>	<b>0.5069</b>	<b>0.0161</b>	<b>0.5230</b>		<b>2,320.776 6</b>	<b>2,320.776 6</b>	<b>0.0754</b>			<b>2,322.660 6</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0954	3.2938	0.6863	8.9700e-003	0.2167	7.0500e-003	0.2238	0.0624	6.7400e-003	0.0691	938.7812	938.7812	0.0456			939.9201
Worker	0.6688	0.4398	4.4964	0.0139	1.6758	0.0101	1.6859	0.4445	9.3300e-003	0.4538	1,381.995 3	1,381.995 3	0.0298			1,382.740 6
<b>Total</b>	<b>0.7641</b>	<b>3.7336</b>	<b>5.1827</b>	<b>0.0228</b>	<b>1.8925</b>	<b>0.0172</b>	<b>1.9097</b>	<b>0.5069</b>	<b>0.0161</b>	<b>0.5230</b>	<b>2,320.776 6</b>	<b>2,320.776 6</b>	<b>0.0754</b>			<b>2,322.660 6</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0728	2.7254	0.5898	8.8100e-003	0.2167	3.0600e-003	0.2198	0.0624	2.9300e-003	0.0653	921.9115	921.9115	0.0334		922.7473	
Worker	0.6282	0.3963	4.1272	0.0133	1.6758	9.9200e-003	1.6857	0.4445	9.1400e-003	0.4536	1,329.381 7	1,329.381 7	0.0266		1,330.047 8	
<b>Total</b>	<b>0.7010</b>	<b>3.1217</b>	<b>4.7170</b>	<b>0.0222</b>	<b>1.8925</b>	<b>0.0130</b>	<b>1.9055</b>	<b>0.5069</b>	<b>0.0121</b>	<b>0.5190</b>	<b>2,251.293 2</b>	<b>2,251.293 2</b>	<b>0.0601</b>		<b>2,252.795 1</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0728	2.7254	0.5898	8.8100e-003	0.2167	3.0600e-003	0.2198	0.0624	2.9300e-003	0.0653	921.9115	921.9115	0.0334			922.7473
Worker	0.6282	0.3963	4.1272	0.0133	1.6758	9.9200e-003	1.6857	0.4445	9.1400e-003	0.4536	1,329.381 7	1,329.381 7	0.0266			1,330.047 8
<b>Total</b>	<b>0.7010</b>	<b>3.1217</b>	<b>4.7170</b>	<b>0.0222</b>	<b>1.8925</b>	<b>0.0130</b>	<b>1.9055</b>	<b>0.5069</b>	<b>0.0121</b>	<b>0.5190</b>	<b>2,251.293 2</b>	<b>2,251.293 2</b>	<b>0.0601</b>			<b>2,252.795 1</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140		2,225.510 4	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
<b>Total</b>	<b>1.1028</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>	

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	101.6173	101.6173	2.1900e-003		101.6721	
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>	<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>		<b>101.6721</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1028</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660</b>	<b>2,207.660</b>	<b>0.7140</b>		<b>2,225.510</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334	101.6173	101.6173	2.1900e-003			101.6721
<b>Total</b>	<b>0.0492</b>	<b>0.0323</b>	<b>0.3306</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>		<b>101.6173</b>	<b>101.6173</b>	<b>2.1900e-003</b>		<b>101.6721</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>13.4194</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.1344	0.0884	0.9037	2.7900e-003	0.3368	2.0400e-003	0.3388	0.0893	1.8800e-003	0.0912			277.7540	277.7540	5.9900e-003		277.9037
<b>Total</b>	<b>0.1344</b>	<b>0.0884</b>	<b>0.9037</b>	<b>2.7900e-003</b>	<b>0.3368</b>	<b>2.0400e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8800e-003</b>	<b>0.0912</b>			<b>277.7540</b>	<b>277.7540</b>	<b>5.9900e-003</b>		<b>277.9037</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>13.4194</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>			<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.1344	0.0884	0.9037	2.7900e-003	0.3368	2.0400e-003	0.3388	0.0893	1.8800e-003	0.0912	277.7540	277.7540	5.9900e-003			277.9037	
<b>Total</b>	<b>0.1344</b>	<b>0.0884</b>	<b>0.9037</b>	<b>2.7900e-003</b>	<b>0.3368</b>	<b>2.0400e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8800e-003</b>	<b>0.0912</b>		<b>277.7540</b>	<b>277.7540</b>	<b>5.9900e-003</b>		<b>277.9037</b>	

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>13.4066</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.1263	0.0797	0.8295	2.6800e-003	0.3368	1.9900e-003	0.3388	0.0893	1.8400e-003	0.0912			267.1797	267.1797	5.3500e-003		267.3135
<b>Total</b>	<b>0.1263</b>	<b>0.0797</b>	<b>0.8295</b>	<b>2.6800e-003</b>	<b>0.3368</b>	<b>1.9900e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8400e-003</b>	<b>0.0912</b>			<b>267.1797</b>	<b>267.1797</b>	<b>5.3500e-003</b>		<b>267.3135</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.2149						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>13.4066</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>			<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.1263	0.0797	0.8295	2.6800e-003	0.3368	1.9900e-003	0.3388	0.0893	1.8400e-003	0.0912		267.1797	267.1797	5.3500e-003		267.3135
<b>Total</b>	<b>0.1263</b>	<b>0.0797</b>	<b>0.8295</b>	<b>2.6800e-003</b>	<b>0.3368</b>	<b>1.9900e-003</b>	<b>0.3388</b>	<b>0.0893</b>	<b>1.8400e-003</b>	<b>0.0912</b>		<b>267.1797</b>	<b>267.1797</b>	<b>5.3500e-003</b>		<b>267.3135</b>

**4.0 Operational Detail - Mobile**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

## 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3037	16.6449	28.2796	0.1155	9.8022	0.0827	9.8849	2.6269	0.0773	2.7042	11,725.863 3	11,725.863 3	0.4078			11,736.057 9
Unmitigated	2.4036	17.4182	30.5018	0.1269	10.8913	0.0908	10.9820	2.9188	0.0848	3.0036	12,880.93 38	12,880.93 38	0.4317			12,891.72 51

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Mid Rise	1,781.00	1,781.00	1,781.00	5,101,750		4,591,575	
Health Club	0.00	0.00	0.00				
Total	1,781.00	1,781.00	1,781.00	5,101,750		4,591,575	

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

## 4.4 Fleet Mix

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985
Health Club	0.508452	0.038117	0.220648	0.118923	0.018903	0.005550	0.032516	0.046999	0.001390	0.001157	0.005613	0.000748	0.000985

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0826	0.7101	0.3311	4.5100e-003			0.0571	0.0571		0.0571	0.0571		901.0922	901.0922	0.0173	0.0165	906.4469
NaturalGas Unmitigated	0.0872	0.7495	0.3501	4.7600e-003			0.0602	0.0602		0.0602	0.0602		951.0328	951.0328	0.0182	0.0174	956.6844

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	7317.75	0.0789	0.6744	0.2870	4.3000e-003		0.0545	0.0545		0.0545	0.0545	860.9120	860.9120	0.0165	0.0158	866.0279	
Health Club	766.027	8.2600e-003	0.0751	0.0631	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	90.1209	90.1209	1.7300e-003	1.6500e-003	90.6564	
<b>Total</b>		<b>0.0872</b>	<b>0.7495</b>	<b>0.3501</b>	<b>4.7500e-003</b>		<b>0.0602</b>	<b>0.0602</b>		<b>0.0602</b>	<b>0.0602</b>		<b>951.0328</b>	<b>951.0328</b>	<b>0.0182</b>	<b>0.0174</b>	<b>956.6844</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6.94671	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	817.2595	817.2595	0.0157	0.0150	822.1160	
Health Club	0.712578	7.6800e-003	0.0699	0.0587	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	83.8327	83.8327	1.6100e-003	1.5400e-003	84.3309	
<b>Total</b>		<b>0.0826</b>	<b>0.7101</b>	<b>0.3311</b>	<b>4.5100e-003</b>		<b>0.0571</b>	<b>0.0571</b>		<b>0.0571</b>	<b>0.0571</b>		<b>901.0922</b>	<b>901.0922</b>	<b>0.0173</b>	<b>0.0165</b>	<b>906.4469</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8
Unmitigated	14.9174	3.5418	85.4072	0.2175		10.3975	10.3975		10.3975	10.3975	1,489.069 4	2,941.883 1	4,430.952 5	7.0558	0.0532	4,623.196 8

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.0757	3.2814	62.8099	0.2163		10.2723	10.2723		10.2723	10.2723	1,489.069 4	2,901.176 5	4,390.245 9	7.0167	0.0532	4,581.513 6
Landscaping	0.6796	0.2604	22.5974	1.1900e-003		0.1252	0.1252		0.1252	0.1252		40.7066	40.7066	0.0391		41.6832
<b>Total</b>	<b>14.9174</b>	<b>3.5418</b>	<b>85.4072</b>	<b>0.2175</b>		<b>10.3975</b>	<b>10.3975</b>		<b>10.3975</b>	<b>10.3975</b>	<b>1,489.069 4</b>	<b>2,941.883 1</b>	<b>4,430.952 5</b>	<b>7.0558</b>	<b>0.0532</b>	<b>4,623.196 8</b>

## Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.0757	3.2814	62.8099	0.2163		10.2723	10.2723		10.2723	10.2723	1,489.069 4	2,901.176 5	4,390.245 9	7.0167	0.0532	4,581.513 6
Landscaping	0.6796	0.2604	22.5974	1.1900e-003		0.1252	0.1252		0.1252	0.1252		40.7066	40.7066	0.0391		41.6832
<b>Total</b>	<b>14.9174</b>	<b>3.5418</b>	<b>85.4072</b>	<b>0.2175</b>		<b>10.3975</b>	<b>10.3975</b>		<b>10.3975</b>	<b>10.3975</b>	<b>1,489.069 4</b>	<b>2,941.883 1</b>	<b>4,430.952 5</b>	<b>7.0558</b>	<b>0.0532</b>	<b>4,623.196 8</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Rocklin Corporate Center - Proposed Residences - Placer County APCD Air District, Winter

## 9.0 Operational Offroad

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

**Rocklin Corporate Center - Proposed Residences**  
**Placer County APCD Air District, Mitigation Report**

**Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**OFFROAD Equipment Mitigation**

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr							Unmitigated mt/yr				
Air Compressors	2.69200E-002	1.84500E-001	2.44700E-001	4.00000E-004	1.04500E-002	1.04500E-002	0.00000E+000	3.44689E+001	3.44689E+001	2.17000E-003	0.00000E+000	3.45232E+001
Cranes	4.31400E-002	4.78620E-001	2.21070E-001	6.80000E-004	1.99100E-002	1.83200E-002	0.00000E+000	5.98845E+001	5.98845E+001	1.93700E-002	0.00000E+000	6.03687E+001
Excavators	1.01000E-003	8.88000E-003	1.62800E-002	3.00000E-005	4.30000E-004	4.00000E-004	0.00000E+000	2.26803E+000	2.26803E+000	7.30000E-004	0.00000E+000	2.28637E+000
Forklifts	4.44000E-002	4.13380E-001	4.65960E-001	6.20000E-004	2.67600E-002	2.46200E-002	0.00000E+000	5.43880E+001	5.43880E+001	1.75900E-002	0.00000E+000	5.48277E+001
Generator Sets	4.33800E-002	3.85000E-001	4.95930E-001	8.90000E-004	1.89300E-002	1.89300E-002	0.00000E+000	7.63030E+001	7.63030E+001	3.53000E-003	0.00000E+000	7.63912E+001
Graders	2.07000E-003	2.62900E-002	8.61000E-003	3.00000E-005	8.40000E-004	7.70000E-004	0.00000E+000	2.90879E+000	2.90879E+000	9.40000E-004	0.00000E+000	2.93231E+000
Pavers	2.07000E-003	2.09900E-002	2.88400E-002	5.00000E-005	1.00000E-003	9.20000E-004	0.00000E+000	4.13003E+000	4.13003E+000	1.34000E-003	0.00000E+000	4.16342E+000
Paving Equipment	1.78000E-003	1.73800E-002	2.54600E-002	4.00000E-005	8.50000E-004	7.80000E-004	0.00000E+000	3.57856E+000	3.57856E+000	1.16000E-003	0.00000E+000	3.60749E+000
Rollers	1.66000E-003	1.72600E-002	1.86000E-002	3.00000E-005	9.90000E-004	9.20000E-004	0.00000E+000	2.30519E+000	2.30519E+000	7.50000E-004	0.00000E+000	2.32383E+000
Rubber Tired Dozers	7.95000E-003	8.35400E-002	3.40300E-002	8.00000E-005	3.96000E-003	3.65000E-003	0.00000E+000	7.12760E+000	7.12760E+000	2.31000E-003	0.00000E+000	7.18523E+000
Tractors/Loaders/Backhoes	6.01300E-002	6.11170E-001	8.39220E-001	1.17000E-003	3.20100E-002	2.94500E-002	0.00000E+000	1.02621E+002	1.02621E+002	3.31900E-002	0.00000E+000	1.03451E+002
Welders	3.62800E-002	1.95440E-001	2.28070E-001	3.50000E-004	8.20000E-003	8.20000E-003	0.00000E+000	2.54098E+001	2.54098E+001	2.94000E-003	0.00000E+000	2.54834E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr							Mitigated mt/yr				
Air Compressors	2.69200E-002	1.84500E-001	2.44700E-001	4.00000E-004	1.04500E-002	1.04500E-002	0.00000E+000	3.44689E+001	3.44689E+001	2.17000E-003	0.00000E+000	3.45232E+001
Cranes	4.31400E-002	4.78620E-001	2.21070E-001	6.80000E-004	1.99100E-002	1.83200E-002	0.00000E+000	5.98844E+001	5.98844E+001	1.93700E-002	0.00000E+000	6.03686E+001
Excavators	1.01000E-003	8.88000E-003	1.62800E-002	3.00000E-005	4.30000E-004	4.00000E-004	0.00000E+000	2.26803E+000	2.26803E+000	7.30000E-004	0.00000E+000	2.28637E+000
Forklifts	4.44000E-002	4.13380E-001	4.65960E-001	6.20000E-004	2.67600E-002	2.46200E-002	0.00000E+000	5.43879E+001	5.43879E+001	1.75900E-002	0.00000E+000	5.48277E+001
Generator Sets	4.33800E-002	3.85000E-001	4.95930E-001	8.90000E-004	1.89300E-002	1.89300E-002	0.00000E+000	7.63029E+001	7.63029E+001	3.53000E-003	0.00000E+000	7.63911E+001
Graders	2.07000E-003	2.62900E-002	8.61000E-003	3.00000E-005	8.40000E-004	7.70000E-004	0.00000E+000	2.90879E+000	2.90879E+000	9.40000E-004	0.00000E+000	2.93231E+000
Pavers	2.07000E-003	2.09900E-002	2.88400E-002	5.00000E-005	1.00000E-003	9.20000E-004	0.00000E+000	4.13003E+000	4.13003E+000	1.34000E-003	0.00000E+000	4.16342E+000
Paving Equipment	1.78000E-003	1.73800E-002	2.54600E-002	4.00000E-005	8.50000E-004	7.80000E-004	0.00000E+000	3.57855E+000	3.57855E+000	1.16000E-003	0.00000E+000	3.60749E+000
Rollers	1.66000E-003	1.72600E-002	1.86000E-002	3.00000E-005	9.90000E-004	9.20000E-004	0.00000E+000	2.30519E+000	2.30519E+000	7.50000E-004	0.00000E+000	2.32383E+000
Rubber Tired Dozers	7.95000E-003	8.35400E-002	3.40300E-002	8.00000E-005	3.96000E-003	3.65000E-003	0.00000E+000	7.12759E+000	7.12759E+000	2.31000E-003	0.00000E+000	7.18522E+000
Tractors/Loaders/Buckets	6.01300E-002	6.11170E-001	8.39220E-001	1.17000E-003	3.20100E-002	2.94500E-002	0.00000E+000	1.02621E+002	1.02621E+002	3.31900E-002	0.00000E+000	1.03451E+002
Welders	3.62800E-002	1.95440E-001	2.28070E-001	3.50000E-004	8.20000E-003	8.20000E-003	0.00000E+000	2.54098E+001	2.54098E+001	2.94000E-003	0.00000E+000	2.54834E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.45058E-006	1.45058E-006	0.00000E+000	0.00000E+000	1.15864E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16892E-006	1.16892E-006	0.00000E+000	0.00000E+000	1.15954E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10318E-006	1.10318E-006	0.00000E+000	0.00000E+000	1.27673E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17815E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.79442E-006	2.79442E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.40300E-006	1.40300E-006	0.00000E+000	0.00000E+000	1.39174E-006
Tractors/Loaders/Buckets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16935E-006	1.16935E-006	0.00000E+000	0.00000E+000	1.25663E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18065E-006	1.18065E-006	0.00000E+000	0.00000E+000	1.17724E-006

### Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
--------	--------------------	------------------	------------------	------------------

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)
No	Unpaved Road Mitigation	Moisture Content %	Vehicle Speed (mph)	0.00

No	Clean Paved Road	% PM Reduction	0.00				
----	------------------	----------------	------	--	--	--	--

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.04	0.01	0.04	0.01	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.24	0.07	0.24	0.07	0.00	0.00
Grading	Fugitive Dust	0.03	0.02	0.03	0.02	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.03	0.01	0.03	0.01	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

### Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	3.98	4.32	7.67	8.95	8.88	8.91	0.00	8.92	8.92	5.77	0.00	8.91
Natural Gas	5.28	5.26	5.40	4.60	5.19	5.19	0.00	5.25	5.25	5.30	5.21	5.25
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.00	20.05	20.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.04	0.22		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.12	0.38		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.10			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.10		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	4.50		
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.10		

## Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

## Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	7.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	100.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

## Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	20.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

## Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services  
Percent Reduction in Waste Disposed