

Air Quality and Greenhouse Gas Impact Analysis

Rocklin Rezone – Parcel 2 Project

Prepared for:
Tekin & Associates, LLC

February 2022

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 Rezone – Parcel 2 Project (proposed project) related to air quality and greenhouse gas (GHG) emissions. The analysis included herein provides a comparison of emissions associated with buildout of the project site under the approved conditions (i.e., under the existing land use and zoning designations), as compared to buildout of the project site under the proposed land use and zoning designations, as well as an assessment of the proposed project as compared to applicable Placer County Air Pollution Control District (PCAPCD) thresholds of significance. 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. Based on the analysis below, and with the implementation of prescribed mitigation, all impacts for each of the three potential buildout options would be less than significant. All modeling results are included as an appendix to this document.

PROJECT SUMMARY

The project site is located northwest of the intersection of West Oaks Boulevard and Lonetree Boulevard in the City of Rocklin, California. The 6.55-acre site (Assessor's Parcel Number 017-281-016) is currently undeveloped (see Figure 1 and Figure 2).

The project site is bound by Atherton Road to the north, Lonetree Boulevard to the east, and West Oaks Boulevard to the south. Surrounding existing land uses include light industrial and commercial uses to the north; undeveloped land and light industrial and commercial uses to the east; an apartment complex to the south; and undeveloped land and two schools to the west. State Route (SR) 65 is located approximately 0.32-mile west of the project site. The City of Rocklin General Plan designates the site as Light Industrial (LI) and the site is zoned Planned Development Industrial Park (PD-IP). It is noted that the project site is located within the Stanford Ranch General Development Plan.

The proposed project would entail applying a General Plan Amendment and Rezone to the project site. The proposed General Plan Amendment would redesignate the project site from LI to Mixed Use (MU). The MU land use designation is intended to provide for land use patterns and mixed use development that integrate residential and non-residential land uses such that residents may easily walk or bicycle to shopping, services, employment, and leisure activities. The proposed Rezone would change the zoning district from PD-IP to Mixed Use-24 dwelling unit/acre (du/ac) (MU-24+). The MU-24+ zoning designation allows mixed use development on-site, including multi-family residential uses at a minimum density of 24 du/ac.

As discussed above, the following analysis provides a comparison of emissions associated with buildout of the project site under the approved conditions (i.e., under the existing land use and zoning designations), as compared to buildout of the project site under the proposed land use and zoning designations. Given that the General Plan Amendment and Rezone would allow for both commercial and multi-family residential development on-site, this analysis includes two development options for the proposed project: the development of the entire project site with multi-family residential uses; and the development of the project site with 50 percent multi-family residential uses and 50 percent commercial uses. A detailed description of each potential buildout option for the project site is included in the analysis below.



Figure 1
Regional Project Location

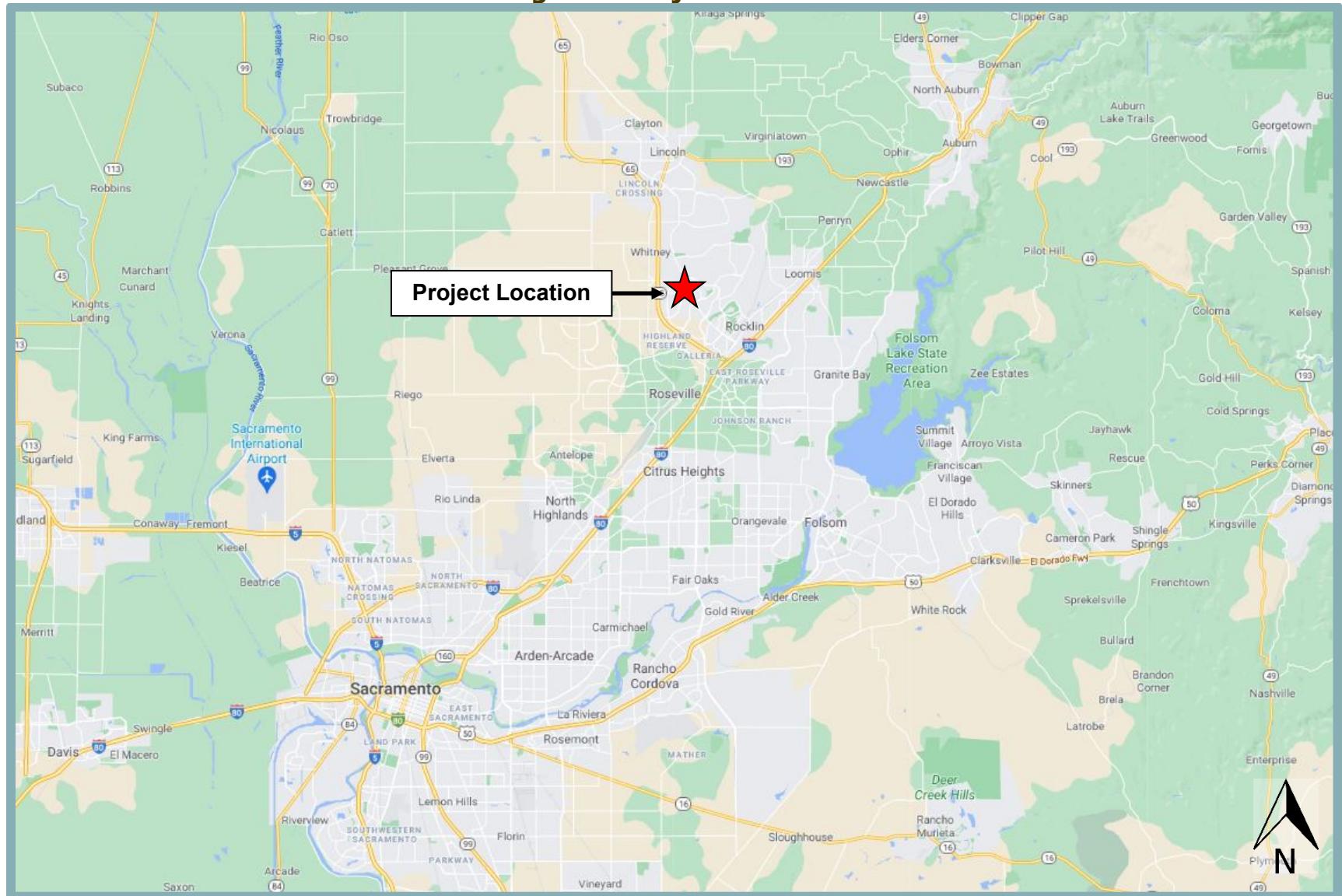
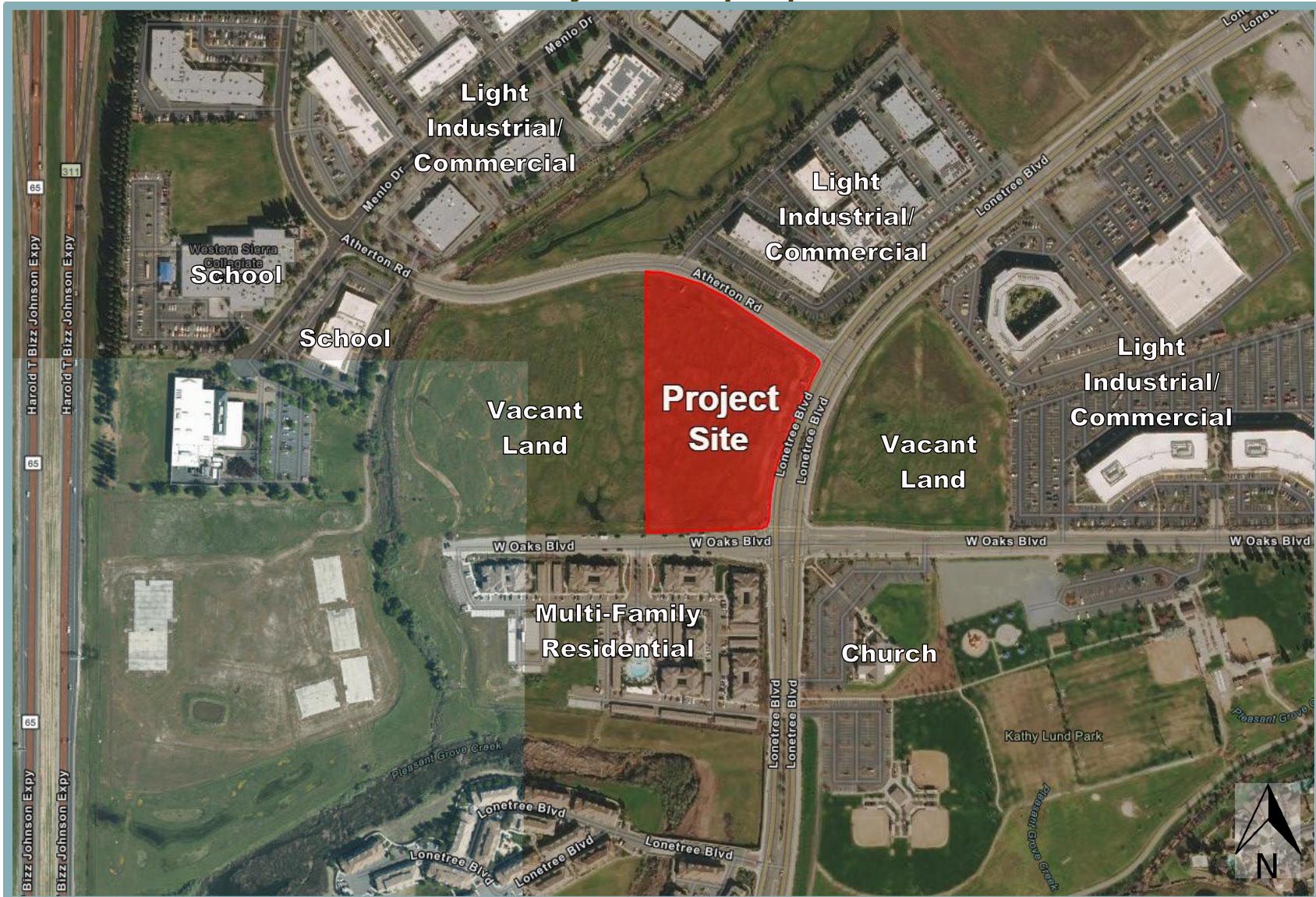


Figure 2
Project Vicinity Map



SOURCES

1. California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.
2. Department of Conservation, California Geological Survey. *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*. 2006.
3. Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments*. February 2015.
4. Placer County Air Pollution Control District. *CEQA Air Quality Handbook*. November 21, 2017.
5. Placer County Air Pollution Control District. *Placer County Air Pollution Control District Policy. Review of Land Use Projects Under CEQA*. October 13, 2016.
6. Placer County Community Development and Resource Agency. *Placer County Sustainability Plan: A Greenhouse Gas Emission Reduction Plan and Adaptation Strategy*. January 28, 2020.
7. U.S. Environmental Protection Agency. *Nonattainment and Unclassifiable Area Designations for the 2015 Ozone Standards*. April 30, 2018.
8. U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model (AERMOD)*. December 2016.



III. AIR QUALITY.	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<i>Would the project:</i>				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input 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 type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	✗	<input 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 type="checkbox"/>

Discussion

- a,b. The project site is located within the Sacramento Valley Air Basin (SVAB) and is under the jurisdiction of the PCAPCD. The SVAB is designated nonattainment for the federal particulate matter 2.5 microns in diameter ($PM_{2.5}$) and the State particulate matter 10 microns in diameter (PM_{10}) standards, as well as for both the federal and State ozone standards. The federal Clean Air Act requires areas designated as federal nonattainment to prepare an air quality control plan referred to as the State Implementation Plan (SIP). The SIP contains the strategies and control measures for states to use to attain the federal ambient air quality standards (AAQS). The SIP is periodically modified to reflect the latest emissions inventories, planning documents, rules, and regulations of air basins as reported by the agencies with jurisdiction over them. In compliance with regulations, the PCAPCD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the federal and State AAQS, including control strategies to reduce air pollutant emissions via regulations, incentive programs, public education, and partnerships with other agencies.

The current applicable air quality plan for the 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 Federal Clean Air Act requirements, including the federal AAQS.

It should be noted that in addition to strengthening the 8-hour ozone federal AAQS, the U.S. Environmental Protection Agency (USEPA) also strengthened the secondary 8-hour ozone federal 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 NAAQS 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.¹ Due to the designation of the

¹ U.S. Environmental Protection Agency. *Nonattainment and Unclassifiable Area Designations for the 2015 Ozone Standards*. April 30, 2018.



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 PM₁₀ and the ozone precursors reactive organic gases (ROG) and oxides of nitrogen (NO_x). On October 13, 2016, the PCAPCD adopted updated significance thresholds for the aforementioned pollutants.

The significance thresholds, expressed in pounds per day (lbs/day), listed in Table 1 are the PCAPCD's current thresholds of significance for use in the evaluation of air quality impacts associated with proposed development projects. 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 (lbs/day)		
Pollutant	Construction Threshold	Operational Threshold
ROG	82	55
NO _x	82	55
PM ₁₀	82	82

Source: Placer County Air Pollution Control District. CEQA Handbook. 2017.

Implementation of the proposed project would generate air quality emissions in the area during both the 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 2020.4.0 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. 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.).

As discussed in the Project Summary section, because the proposed project entails approval of a General Plan Amendment and Rezone for the project site, this analysis provides a comparison of emissions associated with buildup of the project site under the existing land use and zoning designations, as compared to buildup of the project site under two potential buildup options that would be allowable under the proposed land use and zoning designations. The following includes a description of each potential buildup option for the project site:



- **Approved Conditions:** The Approved Conditions scenario refers to buildout of the project site consistent with the existing land use and zoning designations. Because the existing PD-IP zoning allows for office uses, this analysis assumes office development rather than light industrial development to provide a maximum development analysis for automobile trip generation. As such, under the Approved Conditions scenario, the modeling assumes development of 99,861 square feet (sf) of commercial uses, as well as 500 commercial parking spaces, consistent with the Rocklin Municipal Code (RMC).
- **Proposed Project Option A (Multi-Family Residential):** Proposed Project Option A assumes development of 196 multi-family dwelling units on-site, as well as a 15,000-sf community clubhouse, and 435 resident parking spaces, consistent with the RMC.
- **Proposed Project Option B (Mixed Use Development):** Proposed Project Option B assumes buildout of 50 percent commercial uses and 50 percent multi-family residential uses on-site for a total of 35,664 sf of commercial uses and 98 multi-family dwelling units, as well as an 8,000-sf community clubhouse, 218 resident parking spaces, and 184 commercial parking spaces, consistent with the RMC.

Both Proposed Project Option A and Option B would be allowable under the proposed MU land use designation and MU-24+ zoning district. For all three buildout scenarios, the modeling assumed the following:

- Construction would begin in September 2022 and occur over approximately 20 months;
- The proposed project would be operational by 2025;
- A water conservation strategy of 20 percent outdoor water use was applied to reflect compliance with the Model Water Efficient Landscape Ordinance (MWELO);
- The proposed project would increase transit accessibility through on-and off-site pedestrian connections and increase transit accessibility by being located approximately 0.6-mile from the nearest transit stop; and
- Residential uses would include natural gas fireplaces only.

All CalEEMod results are included in Appendix A. 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_x, and PM₁₀, 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.



Table 2 presents the estimated unmitigated construction-related emissions for the proposed project under both development options.

Table 2 Maximum Unmitigated Construction Emissions (lbs/day)			
	ROG	NO_x	PM₁₀
Proposed Project Option A	9.20	33.12	21.42
Proposed Project Option B	6.55	33.12	21.42
PCAPCD Significance Threshold	82.0	82.0	82.0
Exceeds Threshold?	NO	NO	NO

Source: CalEEMod, January 2022 (see Appendix).

As shown in Table 2, for both development options, the project's construction-related emissions would be below the applicable PCAPCD thresholds of significance for ROG, NO_x, and PM₁₀.

Additionally, the proposed project would be required to comply with all PCAPCD rules and regulations for construction, which would be noted on City-approved construction plans. The applicable rules and regulations would include, but not be limited to, the following:

- Rule 202 related to visible emissions;
- Rule 217 related to cutback and emulsified asphalt paving materials;
- Rule 218 related to architectural coatings;
- Rule 228 related to fugitive dust; and
- Rule 501 related to general permit requirements.

The proposed project's compliance with the above PCAPCD rules would minimize construction-related emissions. For example, Rule 228 includes 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. A Dust Control Plan must also be submitted to the PCAPCD per Rule 228 prior to the start of earth-disturbing activities.

Given the project's compliance with all PCAPCD rules and regulations for construction, listed above, construction-related emissions of criteria pollutants would likely be lower than the levels presented within Table 2.

Because the proposed project's estimated unmitigated construction emissions would be below the applicable PCAPCD thresholds of significance, 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 associated with construction.

Operational Emissions

Operational emissions of ROG, NO_x, and PM₁₀ would be generated by the proposed project from both mobile and stationary sources. Day-to-day activities, such as the future 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 stated



above, the proposed project would be required to comply with all applicable PCAPCD rules and regulations, including the following related to operations:

- Rule 205 related to nuisances;
- Rule 231 or Rule 247 related to commercial water heaters and boilers; and
- Rule 502 related to review of new sources of emissions.

As noted above, the project site is currently designated LI and zoned PD-IP and, thus, the City of Rocklin General Plan EIR has already evaluated development of the project site with light industrial or office uses. In order to assess whether development of the project site under the proposed land use and zoning designations would result in a significant increase in air quality emissions, all three development scenarios were modeled using CalEEMod. It should be noted that emissions produced by the Approved Conditions are currently allowed to occur on the project site. Therefore, the analysis herein considers whether the net change in emissions of the proposed development options as compared to the Approved Conditions would exceed the PCAPCD thresholds of significance. The assumptions used in the model were discussed above.

Table 3 and Table 4 present the estimated unmitigated operational emissions for the Approved Conditions compared to Proposed Project Option A and Option B, respectively.

Table 3 Maximum Unmitigated Operational Emissions (lbs/day) – Option A			
	ROG	NO_x	PM₁₀
Approved Conditions	5.97	4.48	5.48
Proposed Project Option A	11.04	9.47	7.91
<i>Net Difference</i>	+5.07	+4.99	+2.43
PCAPCD Significance Threshold	55.0	55.0	82.0
Exceeds Threshold?	NO	NO	NO

Source: CalEEMod, January 2022 (see Appendix).

Table 4 Maximum Unmitigated Operational Emissions (lbs/day)– Option B			
	ROG	NO_x	PM₁₀
Approved Conditions	5.97	4.48	5.48
Proposed Project Option B	7.70	6.37	5.93
<i>Net Difference</i>	+1.73	+1.89	+0.45
PCAPCD Significance Threshold	55.0	55.0	82.0
Exceeds Threshold?	NO	NO	NO

Source: CalEEMod, January 2022 (see Appendix).

As shown in the tables, both options of the proposed project would result in a net increase of unmitigated operational emissions as compared to the Approved Conditions of the project site; however, emissions would be below the PCAPCD's thresholds of significance for ROG, NO_x, and PM₁₀. In addition, the net change in emissions for both development options as compared to the Approved Conditions would be substantially below the PCAPCD thresholds of significance. Accordingly, operations 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 associated with operations.

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 the City of Rocklin 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 PM₁₀ are based on attainment plans for the region. Thus, the PCAPCD concluded that if a project's ozone precursor and PM₁₀ 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 established operational phase cumulative-level emissions thresholds identical to the operational thresholds identified above, in Table 1.

As shown in Table 3 and Table 4, 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 the cumulative emissions of criteria pollutants for which PCAPCD is in non-attainment would be considered less than significant.

Conclusion

Because the proposed project would not result in construction-related or operational emissions of criteria air pollutants in excess of PCAPCD's thresholds of significance, the proposed project would not be considered to conflict with or obstruct the implementation of any applicable air quality plans. In addition, the proposed project would not result in a cumulatively considerable net increase of any criteria air pollutant for which the project region is non-attainment under an applicable ambient air quality standard. Therefore, a **less-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 to the project site are the multi-family residences located approximately 115 feet to the south of the project site, across West Oaks Boulevard.

The major pollutant concentrations of concern are localized carbon monoxide (CO) emissions and toxic air contaminant (TAC) emissions, as well as regional effects of emissions of criteria pollutants, 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.

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 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.²

However, considering that the law has changed with respect to how transportation-related impacts may be addressed under CEQA such that unacceptable LOS is no longer considered a significant impact on the environment under CEQA, this analysis relies on the 550 lbs/day of CO emissions screening criterion only.

² Placer County Air Pollution Control District. *CEQA Air Quality Handbook* [pg. 37]. November 21, 2017.



According to the modeling performed for the proposed project, operation of land uses at the project site would result in maximum mobile source CO emissions of 28.00 lbs/day under the Approved Conditions; 56.22 lbs/day under Proposed Project Option A; and 38.29 lbs/day under Proposed Project Option B (see Appendix A). 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 localized CO emissions that would contribute to an exceedance of AAQS, and the proposed project would not expose sensitive receptors to substantial concentrations of localized CO.

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.

The proposed project would not involve any land uses or operations that would be considered major sources of TACs, including DPM. As such, the proposed project would not generate any substantial pollutant concentrations during operations. In addition, given the project site's existing land use and zoning designations, the site is currently planned for light industrial development, which could involve known sources of TACs such as distribution centers and/or the use of heavy trucks. The proposed General Plan Amendment and Rezone would not allow for such uses, and, therefore, a lesser impact related to TAC emissions would occur to nearby sensitive receptors under the proposed project than what is currently allowed on-site.

However, short-term, construction-related activities could result in the generation of TACs, primarily DPM, from on-road haul trucks and off-road equipment exhaust emissions. Although DPM emissions from on-road haul trucks would be widely dispersed throughout the project site and surrounding vicinity as haul trucks move goods and material to and from the site, exhaust from off-road equipment would primarily occur within the project site. As noted previously, the nearest sensitive receptors are located approximately 30 feet north of the project site. Consequently, the operation of off-road equipment within the project site during project construction could result in exposure of nearby residents to DPM.

PCAPCD has established significance criteria for local community risk and hazard impacts as a result of new sources of TACs. The PCAPCD's thresholds for analyzing health risks from new sources of emissions are presented below:

- The cancer risk would be greater than 10 per million persons; or



- The hazard index would be greater than 1.

The foregoing thresholds are generally intended for use when analyzing the operation of new proposed sources of TACs. Although the proposed project would not involve the siting or operation of any permanent sources of TACs, in the absence of specific thresholds for use when analyzing health risks from short-term projects, the foregoing PCAPCD thresholds are applied to the project, for construction specifically.

To analyze potential health risks to the nearby residents and schools that could result from DPM emissions from off-road equipment at the project site, total DPM emissions from project construction were estimated. DPM is considered a subset of PM_{2.5}, thus, the CalEEMod estimated PM_{2.5} emissions from exhaust during construction was assumed to conservatively represent all DPM emitted on-site. The CalEEMod estimated PM_{2.5} exhaust emissions were then used to calculate the concentration of DPM at the maximally exposed sensitive receptor near the project site. Construction of both Option A and Option B of the proposed project would result in the same area of disturbance, the development of similar building square footage, and the same intensity of development. Therefore, construction of both buildup scenarios at the project site would generally be considered to result in similar construction emissions of DPM.

DPM concentrations resulting from project implementation were estimated using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD). The associated cancer risk and non-cancer hazard index were calculated using the CARB's Hotspot Analysis Reporting Program Version 2 (HARP 2) Risk Assessment Standalone Tool (RAST), which calculates the cancer and non-cancer health impacts using the risk assessment guidelines of the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.³ The modeling was performed in accordance with the USEPA's User's Guide for the AERMOD⁴ and the 2015 OEHHA Guidance Manual. The results of the dispersion modeling are included as Figure 4. As shown in the figure, the maximally-exposed receptor, represented by a white X, is located immediately south of the project site. Based on the foregoing methodology, and the methodology presented in response to questions 'a' and 'b' regarding the estimation of construction emissions, the cancer risk and non-cancer hazard indices were estimated for the maximally-exposed receptor, are presented in Table 5.

Table 5
Maximum Unmitigated Cancer Risk and Hazard Index
Associated with Project Construction DPM

	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index
Proposed Project	32.43	0.00	0.02
Thresholds of Significance	10.00	1.00	1.00
Exceed Thresholds?	YES	NO	NO

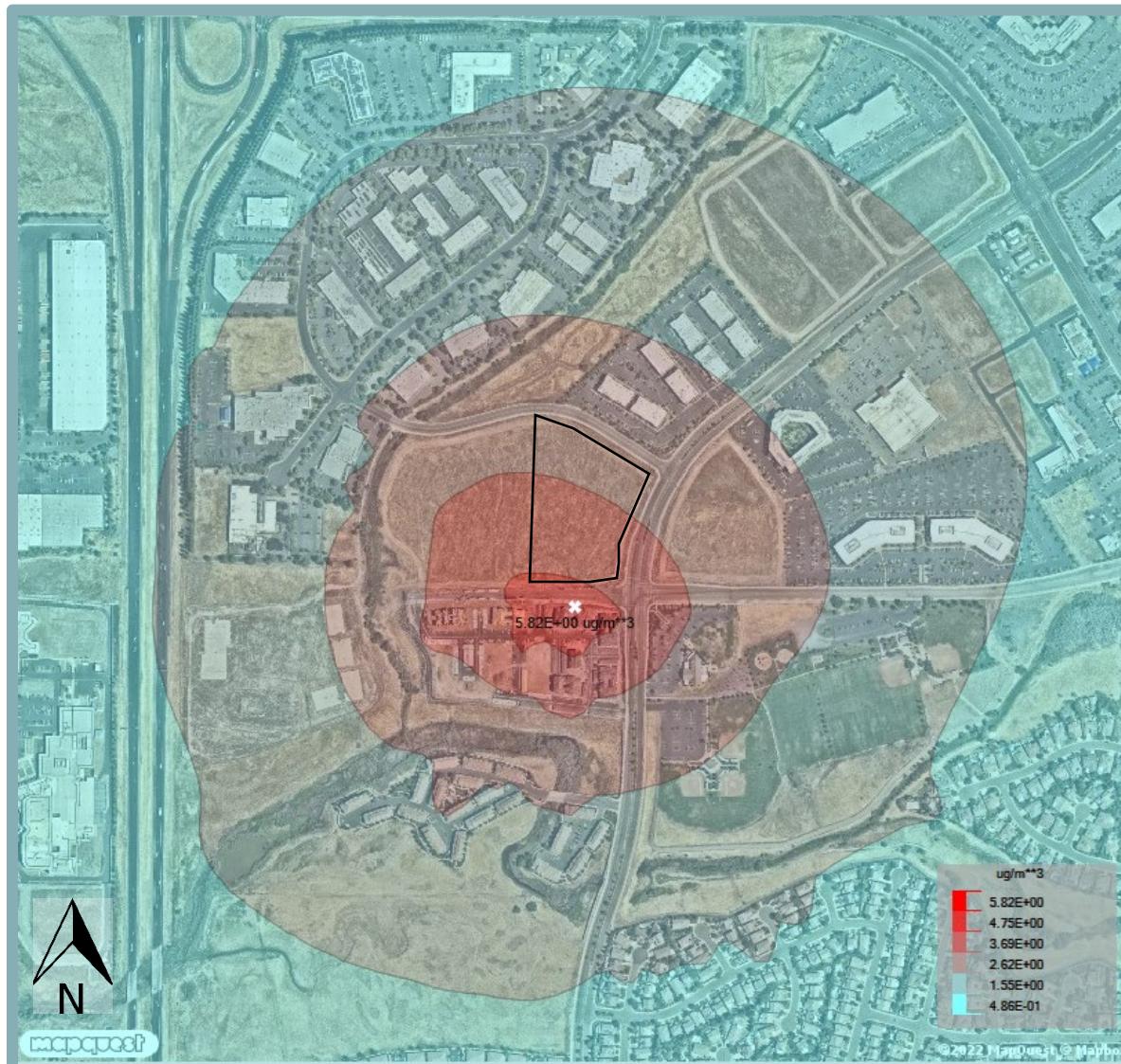
Source: AERMOD and HARP 2 RAST, January 2022 (see Appendix B).

³ Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments* [pg. 8-18]. February 2015.

⁴ U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model (AERMOD)*. December 2016.



Figure 4
AERMOD Results



Source: AERMOD, January 2022 (see Appendix B).



As shown in Table 5, construction of the proposed project would not result in acute or chronic hazard indices in excess of PCAPCD's standards. However, project construction would have the potential to result in cancer risks in excess of PCAPCD's 10 cases per million threshold. Thus, construction of the proposed project could result in exposure of nearby receptors to substantial pollutant concentrations.

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.⁵ Consequently, NOA is not anticipated to be present on the project site.

Criteria Pollutants

Exposure to criteria pollutants can result in adverse health effects. The applicable AAQS are health-based standards designed to ensure safe levels of criteria pollutants that avoid specific adverse health effects. 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.⁶ 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 PM₁₀ standards.

As discussed above, the proposed project would not result in exceedance of the PCAPCD's thresholds of significance for criteria pollutant emissions (refer to Table 3 and Table 4). 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 PM₁₀ 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 or criteria pollutants. In addition, the likelihood of NOA being present on the project site is low. However, construction of the project could result in exposure of nearby receptors to cancer risks in excess of the PCAPCD's standards. Consequently, the proposed project would result in a ***potentially significant*** impact related to the exposure of sensitive receptors to substantial pollutant concentrations.

⁵ Department of Conservation, California Geological Survey. *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*. 2006.

⁶ Placer County Air Pollution Control District. *CEQA Air Quality Handbook* [pg. 20]. November 21, 2017.



Mitigation Measure(s)

As shown in Table 6, implementation of the following mitigation measure would ensure that emissions from construction equipment do not result in increased health risks to nearby receptors in excess of PCAPCD's standards. Consequently, with implementation of the following mitigation measure, the proposed project would not have the potential to expose sensitive receptors to substantial pollutant concentrations and a *less-than-significant* impact would occur.

Table 6 Maximum Mitigated Cancer Risk and Hazard Index Associated with Project Construction DPM			
	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index
Proposed Project	2.57	0.00	0.001
Thresholds of Significance	10	1.0	1.0
Exceed Thresholds?	NO	NO	NO

Source: AERMOD and HARP 2 RAST, January 2022 (see Appendix B).

- AQ-1. *Prior to the initiation of ground disturbance, the project applicant shall ensure that all heavy-duty off-road diesel-powered equipment to be used in the construction of the project (including owned, leased, and subcontractor equipment) shall be CARB Tier 4 Interim or cleaner.*

In addition, all off-road equipment working at the construction site must be maintained in proper working condition according to manufacturer's specifications. Idling shall be limited to five minutes or less in accordance with the Off-Road Diesel Fueled Fleet Regulation as required by CARB. Portable equipment over 50 horsepower must have either a valid District Permit to Operate (PTO) or a valid statewide Portable Equipment Registration Program (PERP) placard and sticker issued by CARB.

The aforementioned requirements shall be noted on improvement plans and submitted for review and approval by the City of Rocklin Planning Division.

- 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 questions '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, determining the presence of a significant odor impact is difficult. 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 General Plan Amendment and Rezone would not allow any such uses.



Diesel fumes from construction equipment and heavy-duty trucks could be found to be objectionable; however, operation of construction equipment would be regulated by PCAPCD rules and regulations, restricted to certain hours pursuant to the City of Rocklin Construction Noise Guidelines, 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 is temporary and construction equipment would operate intermittently throughout the course of a day and 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.

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. 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***.



VIII. GREENHOUSE GAS EMISSIONS. <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 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 type="checkbox"/>

Discussion

- a. b. Emissions of GHGs 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 (CO₂) and, to a lesser extent, other GHG pollutants, such as methane (CH₄) and nitrous oxide (N₂O) 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 CO₂ equivalents (MTCO₂e/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.

Potential impacts related to GHG emissions are discussed in terms of the PCAPCD's thresholds of significance as well as the *Placer County Sustainability Plan* below.

PCAPCD Thresholds

On October 13, 2016, the PCAPCD adopted GHG emissions thresholds for construction and operations in concert with the criteria pollutant threshold update. For project construction, the PCAPCD established a threshold of 10,000 MTCO₂e/yr. Should construction of a proposed project emit GHG emissions in excess of 10,000 MTCO₂e/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 MTCO₂e/yr. Any project that emits less than the 1,100 MT CO₂e/yr threshold is judged by the PCAPCD as having a less-than-significant impact on 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 CO₂e/yr threshold 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 7.

Table 7 PCAPCD Operational GHG Efficiency Thresholds of Significance			
Residential (MTCO₂e/capita)		Non-Residential (MTCO₂e/1,000 sf)	
Urban	Rural	Urban	Rural
4.5	5.5	26.5	27.3

Source: Placer County Air Pollution Control District. CEQA Handbook. 2017.

The PCAPCD further advises that regardless of emissions efficiency, should a project result in operational emissions in excess of 10,000 MTCO₂e/yr, the project would be considered to have a cumulatively considerable contribution to global climate change.

Construction GHG Emissions

Table 8 presents the estimated unmitigated maximum construction-related GHG emissions for the proposed project under both development options.

Table 8 Unmitigated Annual Construction GHG Emissions (MTCO₂e/yr)	
	Maximum GHG Emissions
Proposed Project Option A	686.19
Proposed Project Option B	600.65
PCAPCD Significance Threshold	10,000
Exceeds Threshold?	NO

Source: CalEEMod, January 2022 (see Appendix).

As shown in the table above, the maximum annual emissions related to implementation of the proposed project under both buildout options would be well below the PCAPCD's bright-line threshold of 10,000 MTCO₂e/yr. Therefore, project construction would not be considered to result in a cumulatively considerable contribution to global climate change.

Operational GHG Emissions

Table 9 and Table 10 present the estimated operational GHG emissions at full buildout for the Approved Conditions compared to Option A and Option B, respectively.

As shown in the tables, both Option A and Option B of the proposed project would result in higher emissions than the operational GHG emissions expected from the Approved Conditions of the project site. As such, while buildout of the approved conditions of the project site would result in operational GHG emissions below the PCAPCD 1,100 MTCO₂e/yr operational threshold of significance, both options of the proposed project would result in operational GHG emissions in excess of the operational threshold of



significance. However, the project's operational GHG emissions would be below the PCAPCD's Bright Line Threshold of 10,000 MTCO₂e/yr. In addition, the net change in emissions for both development options as compared to the Approved Conditions would be substantially below the PCAPCD thresholds of significance.

Table 9 Unmitigated Operational GHG Emissions (MTCO₂e/yr) – Option A			
Emission Source	Approved Conditions	Option A	Net Difference
Area	0.01	142.21	+142.20
Energy	159.80	202.53	+42.73
Mobile	659.47	1,155.57	+496.1
Solid Waste	46.70	88.34	+41.64
Water	35.98	27.74	-8.24
TOTAL ANNUAL GHG EMISSIONS	901.97	1,616.39	+714.42
PCAPCD Screening Level Threshold		1,100	
PCAPCD Bright Line Threshold		10,000	

Note: Rounding may result in small differences in summation.

Source: CalEEMod, January 2022 (see Appendix).

Table 10 Unmitigated Operational GHG Emissions (MTCO₂e/yr) – Option B			
Emission Source	Approved Conditions	Option B	Net Difference
Area	0.01	71.11	+71.10
Energy	159.80	159.30	-0.50
Mobile	659.47	817.11	+157.64
Solid Waste	46.70	62.28	+15.58
Water	35.98	26.78	-9.2
TOTAL ANNUAL GHG EMISSIONS	901.97	1,136.57	+234.6
PCAPCD Screening Level Threshold		1,100	
PCAPCD Bright Line Threshold		10,000	

Note: Rounding may result in small differences in summation.

Source: CalEEMod, January 2022 (see Appendix).

Because both options of 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 7. The efficiency thresholds rely on MTCO₂e 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 7). 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 existing light industrial and commercial



uses to the north and east, an apartment complex to the south, and the Sierra Western Collegiate Academy to the west. As such, the surrounding area is primarily developed and the PCAPCD's urban development threshold is used for the following analysis.

The estimated emissions per capita for Option A of the proposed project are presented below in Table 11 and compared with the applicable PCAPCD efficiency threshold. It should be noted that the emissions presented in Table 11 represent the total project emissions for Option A of the proposed project, not the net increase of emissions as compared to the Approved Conditions of the project site.

Table 11 Unmitigated Operational GHG Emissions – Option A	
Project Emissions	PCAPCD Efficiency Threshold for Urban Residential Projects
2.88 MTCO ₂ e/yr/capita	4.5 MTCO ₂ e/yr/capita
Notes: The estimated population of the proposed project is 561 residents.	

As shown in the table, Option A of 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.

Option B would assume buildout of 50 percent commercial uses and 50 percent multi-family residential uses on-site for a total of 35,664 sf of commercial uses and 98 multi-family dwelling units. For a mixed-use type project, the PCAPCD suggests that the lead agency decides which land use component (residential or non-residential) in its mixed-use proposal would be used to calculate the project's efficiency, either as MTCO₂e per capita or per 1,000 sf, in order to meet one of GHG efficiency thresholds shown in Table 7. The lead agency has determined that the MTCO₂e per capita urban residential efficiency threshold is the more appropriate approach for the proposed project. The unmitigated operational GHG emissions per capita for Option B of the proposed project are presented below in Table 12 and compared with the residential PCAPCD efficiency threshold for urban projects. Similar to Table 11, the emissions presented in Table 12 represent the total project emissions for Option B of the proposed project, not the net increase of emissions as compared to the Approved Conditions of the project site.

Table 12 Unmitigated Operational GHG Emissions – Option B	
Project Emissions	PCAPCD Efficiency Thresholds for Urban Residential Projects
4.04 MTCO ₂ e/yr/capita	4.5 MTCO ₂ e/yr/capita
Notes: The estimated population of the proposed project is 281 residents.	

As shown in the table, Option B of the proposed project would result in operational GHG emissions below the applicable PCAPCD efficiency threshold for urban residential projects. Therefore, operations of Option B of the proposed project would not result in a cumulatively considerable contribution to global climate change.



Conclusion

Based on the information presented above, construction of the proposed project would generate GHG emissions below the applicable PCAPCD significance threshold. While operations of the proposed project under both buildout Option A and buildout Option B would result in GHG emissions above the applicable PCAPCD screening level threshold, the net emissions of both options as compared to the approved conditions, as well as the GHG emissions generated by operations of the approved conditions, would be below the PCAPCD screening level threshold. In addition, all three buildout options, as well as the net increase of emissions, would be below the PCAPCD bright line threshold. Furthermore, the total operational GHG emissions generated by buildout Option A and buildout Option B of the proposed project would be below the applicable PCAPCD efficiency threshold for urban residential projects. Therefore, construction and operations of the proposed project would not be considered to generate GHG emissions that would have a significant impact on the environment and, thus, would not 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 A

CalEEMod Air Quality and Greenhouse Gas Modeling Results

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions**

Placer County APCD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	99.86	1000sqft	2.29	99,861.00	0
Parking Lot	500.00	Space	4.26	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Building square footage based on FAR conversions; lot acreage provided by City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblLandUse	LandUseSquareFeet	99,860.00	99,861.00
tblLandUse	LotAcreage	4.50	4.26

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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4461	150.4461	0.0472	1.4000e-004	151.6689
2023	0.2480	1.8835	2.1065	4.0000e-003	0.4623	0.0856	0.5479	0.1889	0.0793	0.2681	0.0000	353.4889	353.4889	0.0926	4.1900e-003	357.0527
2024	0.5890	2.2435	2.8354	6.3700e-003	0.1849	0.0908	0.2757	0.0502	0.0859	0.1361	0.0000	569.4413	569.4413	0.0770	0.0214	577.7397
2025	0.2118	0.7356	0.9840	2.2100e-003	0.0651	0.0275	0.0926	0.0177	0.0260	0.0437	0.0000	197.9214	197.9214	0.0266	7.2400e-003	200.7449
Maximum	0.5890	2.2435	2.8354	6.3700e-003	0.8636	0.0908	0.9338	0.4414	0.0859	0.5059	0.0000	569.4413	569.4413	0.0926	0.0214	577.7397

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4459	150.4459	0.0472	1.4000e-004	151.6687
2023	0.2480	1.8835	2.1065	4.0000e-003	0.4623	0.0856	0.5479	0.1889	0.0793	0.2681	0.0000	353.4886	353.4886	0.0926	4.1900e-003	357.0523
2024	0.5890	2.2435	2.8354	6.3700e-003	0.1849	0.0908	0.2757	0.0502	0.0859	0.1361	0.0000	569.4409	569.4409	0.0770	0.0214	577.7393
2025	0.2118	0.7356	0.9840	2.2100e-003	0.0651	0.0275	0.0926	0.0177	0.0260	0.0437	0.0000	197.9212	197.9212	0.0266	7.2400e-003	200.7448
Maximum	0.5890	2.2435	2.8354	6.3700e-003	0.8636	0.0908	0.9338	0.4414	0.0859	0.5059	0.0000	569.4409	569.4409	0.0926	0.0214	577.7393

	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	9-1-2022	11-30-2022	1.1812	1.1812
2	12-1-2022	2-28-2023	0.8329	0.8329
3	3-1-2023	5-31-2023	0.5853	0.5853
4	6-1-2023	8-31-2023	0.3741	0.3741
5	9-1-2023	11-30-2023	0.4981	0.4981
6	12-1-2023	2-29-2024	0.7191	0.7191
7	3-1-2024	5-31-2024	0.7096	0.7096
8	6-1-2024	8-31-2024	0.7076	0.7076

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	9-1-2024	11-30-2024	0.7038	0.7038
10	12-1-2024	2-28-2025	0.6721	0.6721
11	3-1-2025	5-31-2025	0.5145	0.5145
		Highest	1.1812	1.1812

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	0.4525	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	
Energy	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	158.4573	158.4573	0.0174	3.0300e-003	159.7971	
Mobile	0.4075	0.5736	3.7201	7.4000e-003	0.7595	6.5800e-003	0.7661	0.2035	6.1700e-003	0.2096	0.0000	698.9297	698.9297	0.0448	0.0375	711.2082	
Waste						0.0000	0.0000		0.0000	0.0000	18.8518	0.0000	18.8518	1.1141	0.0000	46.7045	
Water						0.0000	0.0000		0.0000	0.0000	5.6308	12.4084	18.0392	0.5803	0.0139	36.6897	
Total	0.8658	0.6266	3.7700	7.7200e-003	0.7595	0.0106	0.7702	0.2035	0.0102	0.2137	24.4826	869.8062	894.2887	1.7567	0.0544	954.4109	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.4525	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	
Energy	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	158.4573	158.4573	0.0174	3.0300e-003	159.7971	
Mobile	0.3926	0.5395	3.5056	6.8600e-003	0.7022	6.1300e-003	0.7084	0.1881	5.7500e-003	0.1939	0.0000	647.9030	647.9030	0.0427	0.0353	659.4739	
Waste						0.0000	0.0000		0.0000	0.0000	18.8518	0.0000	18.8518	1.1141	0.0000	46.7045	
Water						0.0000	0.0000		0.0000	0.0000	5.6308	11.7039	17.3347	0.5802	0.0139	35.9782	
Total	0.8509	0.5924	3.5556	7.1800e-003	0.7022	0.0102	0.7124	0.1881	9.7900e-003	0.1979	24.4826	818.0749	842.5574	1.7545	0.0522	901.9651	

	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	1.72	5.45	5.69	6.99	7.54	4.24	7.50	7.54	4.11	7.38	0.00	5.95	5.78	0.12	4.06	5.50

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Paving	Paving	5/11/2023	10/25/2023	5	120	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400

Acres of Grading (Site Preparation Phase): 135**Acres of Grading (Grading Phase): 90****Acres of Paving: 4.26****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,792; Non-Residential Outdoor: 49,931; Striped Parking Area: 12,000 (Architectural Coating – sqft)****OffRoad Equipment**

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	116.00	49.00	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	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375	
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

3.2 Site Preparation - 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					
Fugitive Dust					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

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					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005	1.9000e-003	1.9000e-003	1.9000e-003	1.7500e-003	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689

3.3 Grading - 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					
Fugitive Dust					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

3.4 Paving - 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	0.0620	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1612	120.1612	0.0389	0.0000	121.1328
Paving	5.5800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0675	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1612	120.1612	0.0389	0.0000	121.1328

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 2023****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	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	
Total	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	

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	0.0620	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1611	120.1611	0.0389	0.0000	121.1326
Paving	5.5800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0675	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1611	120.1611	0.0389	0.0000	121.1326

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 2023****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	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	
Total	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	

3.5 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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2023****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	1.3200e-003	0.0532	0.0169	2.3000e-004	7.5200e-003	3.2000e-004	7.8400e-003	2.1800e-003	3.1000e-004	2.4800e-003	0.0000	22.3623	22.3623	6.0000e-005	3.3800e-003	23.3716	
Worker	7.0400e-003	4.7200e-003	0.0620	1.8000e-004	0.0214	1.1000e-004	0.0215	5.7000e-003	1.0000e-004	5.8000e-003	0.0000	16.9045	16.9045	4.9000e-004	4.7000e-004	17.0554	
Total	8.3600e-003	0.0579	0.0789	4.1000e-004	0.0289	4.3000e-004	0.0294	7.8800e-003	4.1000e-004	8.2800e-003	0.0000	39.2668	39.2668	5.5000e-004	3.8500e-003	40.4269	

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2023****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	1.3200e-003	0.0532	0.0169	2.3000e-004	7.5200e-003	3.2000e-004	7.8400e-003	2.1800e-003	3.1000e-004	2.4800e-003	0.0000	22.3623	22.3623	6.0000e-005	3.3800e-003	23.3716	
Worker	7.0400e-003	4.7200e-003	0.0620	1.8000e-004	0.0214	1.1000e-004	0.0215	5.7000e-003	1.0000e-004	5.8000e-003	0.0000	16.9045	16.9045	4.9000e-004	4.7000e-004	17.0554	
Total	8.3600e-003	0.0579	0.0789	4.1000e-004	0.0289	4.3000e-004	0.0294	7.8800e-003	4.1000e-004	8.2800e-003	0.0000	39.2668	39.2668	5.5000e-004	3.8500e-003	40.4269	

3.5 Building Construction - 2024**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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	7.2300e-003	0.2946	0.0927	1.2800e-003	0.0419	1.7800e-003	0.0437	0.0121	1.7000e-003	0.0138	0.0000	122.1949	122.1949	3.4000e-004	0.0185	127.7111	
Worker	0.0366	0.0235	0.3236	9.8000e-004	0.1193	5.7000e-004	0.1199	0.0318	5.2000e-004	0.0323	0.0000	91.8623	91.8623	2.4900e-003	2.4200e-003	92.6465	
Total	0.0439	0.3181	0.4162	2.2600e-003	0.1613	2.3500e-003	0.1636	0.0439	2.2200e-003	0.0461	0.0000	214.0572	214.0572	2.8300e-003	0.0209	220.3576	

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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	7.2300e-003	0.2946	0.0927	1.2800e-003	0.0419	1.7800e-003	0.0437	0.0121	1.7000e-003	0.0138	0.0000	122.1949	122.1949	3.4000e-004	0.0185	127.7111	
Worker	0.0366	0.0235	0.3236	9.8000e-004	0.1193	5.7000e-004	0.1199	0.0318	5.2000e-004	0.0323	0.0000	91.8623	91.8623	2.4900e-003	2.4200e-003	92.6465	
Total	0.0439	0.3181	0.4162	2.2600e-003	0.1613	2.3500e-003	0.1636	0.0439	2.2200e-003	0.0461	0.0000	214.0572	214.0572	2.8300e-003	0.0209	220.3576	

3.5 Building Construction - 2025**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	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435
Total	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	2.4700e-003	0.1014	0.0318	4.3000e-004	0.0146	6.1000e-004	0.0152	4.2200e-003	5.9000e-004	4.8000e-003	0.0000	41.5284	41.5284	1.2000e-004	6.2800e-003	43.4029	
Worker	0.0119	7.3600e-003	0.1057	3.3000e-004	0.0415	1.9000e-004	0.0416	0.0110	1.7000e-004	0.0112	0.0000	31.1260	31.1260	7.9000e-004	7.9000e-004	31.3811	
Total	0.0144	0.1088	0.1375	7.6000e-004	0.0560	8.0000e-004	0.0568	0.0153	7.6000e-004	0.0160	0.0000	72.6544	72.6544	9.1000e-004	7.0700e-003	74.7840	

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	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434
Total	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	2.4700e-003	0.1014	0.0318	4.3000e-004	0.0146	6.1000e-004	0.0152	4.2200e-003	5.9000e-004	4.8000e-003	0.0000	41.5284	41.5284	1.2000e-004	6.2800e-003	43.4029	
Worker	0.0119	7.3600e-003	0.1057	3.3000e-004	0.0415	1.9000e-004	0.0416	0.0110	1.7000e-004	0.0112	0.0000	31.1260	31.1260	7.9000e-004	7.9000e-004	31.3811	
Total	0.0144	0.1088	0.1375	7.6000e-004	0.0560	8.0000e-004	0.0568	0.0153	7.6000e-004	0.0160	0.0000	72.6544	72.6544	9.1000e-004	7.0700e-003	74.7840	

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	0.0454					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0489	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.1000e-003	7.4000e-004	9.6800e-003	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.0000e-004	0.0000	2.6386	2.6386	8.0000e-005	7.0000e-005	2.6622	
Total	1.1000e-003	7.4000e-004	9.6800e-003	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.0000e-004	0.0000	2.6386	2.6386	8.0000e-005	7.0000e-005	2.6622	

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	0.0454					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0489	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.1000e-003	7.4000e-004	9.6800e-003	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.0000e-004	0.0000	2.6386	2.6386	8.0000e-005	7.0000e-005	2.6622	
Total	1.1000e-003	7.4000e-004	9.6800e-003	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.0000e-004	0.0000	2.6386	2.6386	8.0000e-005	7.0000e-005	2.6622	

3.6 Architectural Coating - 2024**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	0.3214					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.3451	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	7.2600e-003	4.6600e-003	0.0642	1.9000e-004	0.0237	1.1000e-004	0.0238	6.3000e-003	1.0000e-004	6.4000e-003	0.0000	18.2141	18.2141	4.9000e-004	4.8000e-004	18.3696	
Total	7.2600e-003	4.6600e-003	0.0642	1.9000e-004	0.0237	1.1000e-004	0.0238	6.3000e-003	1.0000e-004	6.4000e-003	0.0000	18.2141	18.2141	4.9000e-004	4.8000e-004	18.3696	

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	0.3214						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.3451	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	7.2600e-003	4.6600e-003	0.0642	1.9000e-004	0.0237	1.1000e-004	0.0238	6.3000e-003	1.0000e-004	6.4000e-003	0.0000	18.2141	18.2141	4.9000e-004	4.8000e-004	18.3696	
Total	7.2600e-003	4.6600e-003	0.0642	1.9000e-004	0.0237	1.1000e-004	0.0238	6.3000e-003	1.0000e-004	6.4000e-003	0.0000	18.2141	18.2141	4.9000e-004	4.8000e-004	18.3696	

3.6 Architectural Coating - 2025**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	0.1239					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.1325	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.6200e-003	1.6200e-003	0.0233	7.0000e-005	9.1200e-003	4.0000e-005	9.1600e-003	2.4300e-003	4.0000e-005	2.4700e-003	0.0000	6.8497	6.8497	1.7000e-004	1.7000e-004	6.9059	
Total	2.6200e-003	1.6200e-003	0.0233	7.0000e-005	9.1200e-003	4.0000e-005	9.1600e-003	2.4300e-003	4.0000e-005	2.4700e-003	0.0000	6.8497	6.8497	1.7000e-004	1.7000e-004	6.9059	

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	0.1239					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.1325	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.6200e-003	1.6200e-003	0.0233	7.0000e-005	9.1200e-003	4.0000e-005	9.1600e-003	2.4300e-003	4.0000e-005	2.4700e-003	0.0000	6.8497	6.8497	1.7000e-004	1.7000e-004	6.9059	
Total	2.6200e-003	1.6200e-003	0.0233	7.0000e-005	9.1200e-003	4.0000e-005	9.1600e-003	2.4300e-003	4.0000e-005	2.4700e-003	0.0000	6.8497	6.8497	1.7000e-004	1.7000e-004	6.9059	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.3926	0.5395	3.5056	6.8600e-003	0.7022	6.1300e-003	0.7084	0.1881	5.7500e-003	0.1939	0.0000	647.9030	647.9030	0.0427	0.0353	659.4739	
Unmitigated	0.4075	0.5736	3.7201	7.4000e-003	0.7595	6.5800e-003	0.7661	0.2035	6.1700e-003	0.2096	0.0000	698.9297	698.9297	0.0448	0.0375	711.2082	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Office Park	1,105.45	163.77	75.89	2,064,759	2,064,759	2,064,759	2,064,759
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,105.45	163.77	75.89	2,064,759	2,064,759	2,064,759	2,064,759

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures 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	100.9045	100.9045	0.0163	1.9800e-003	101.9023	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	100.9045	100.9045	0.0163	1.9800e-003	101.9023	
NaturalGas Mitigated	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	
NaturalGas Unmitigated	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					
Office Park	1.0785e+006	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	
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	
Total		5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	

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					
Office Park	1.0785e+006	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	
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	
Total		5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5528	57.5528	1.1000e-003	1.0600e-003	57.8948	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Office Park	1.02058e+006	94.4279	0.0153	1.8500e-003	95.3616
Parking Lot	70000	6.4767	1.0500e-003	1.3000e-004	6.5407
Total		100.9045	0.0163	1.9800e-003	101.9023

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Office Park	1.02058e+006	94.4279	0.0153	1.8500e-003	95.3616
Parking Lot	70000	6.4767	1.0500e-003	1.3000e-004	6.5407
Total		100.9045	0.0163	1.9800e-003	101.9023

6.0 Area Detail

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	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	0.4525	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	
Unmitigated	0.4525	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	

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	0.0491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4029					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.1000e-004	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
Total	0.4525	5.0000e-005	5.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0491						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4029						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.1000e-004	5.0000e-005	5.5000e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	
Total	0.4525	5.0000e-005	5.5000e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114	

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.3347	0.5802	0.0139	35.9782
Unmitigated	18.0392	0.5803	0.0139	36.6897

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Office Park	17.7485 / 10.8781	18.0392	0.5803	0.0139	36.6897
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		18.0392	0.5803	0.0139	36.6897

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Office Park	17.7485 / 8.70249	17.3347	0.5802	0.0139	35.9782
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		17.3347	0.5802	0.0139	35.9782

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.8518	1.1141	0.0000	46.7045
Unmitigated	18.8518	1.1141	0.0000	46.7045

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Office Park	92.87	18.8518	1.1141	0.0000	46.7045
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		18.8518	1.1141	0.0000	46.7045

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Office Park	92.87	18.8518	1.1141	0.0000	46.7045
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		18.8518	1.1141	0.0000	46.7045

9.0 Operational Offroad

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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 Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions**

Placer County APCD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	99.86	1000sqft	2.29	99,861.00	0
Parking Lot	500.00	Space	4.26	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Building square footage based on FAR conversions; lot acreage provided by City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblLandUse	LandUseSquareFeet	99,860.00	99,861.00
tblLandUse	LotAcreage	4.50	4.26

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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.224	3,823.224	1.1958	3.3600e-003	3,854.1221	
2023	4.6840	27.5518	22.3027	0.0499	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	4,916.172	4,916.172	1.1959	0.1826	4,986.9039	
2024	4.5433	16.9929	21.9836	0.0494	1.4739	0.6930	2.1669	0.3985	0.6556	1.0541	0.0000	4,869.798	4,869.798	0.6463	0.1779	4,938.9682	
2025	4.4046	15.9080	21.6926	0.0489	1.4739	0.5975	2.0713	0.3985	0.5652	0.9637	0.0000	4,823.699	4,823.699	0.6402	0.1732	4,891.3108	
Maximum	4.6840	33.1146	22.3027	0.0499	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	4,916.172	4,916.172	1.1959	0.1826	4,986.9039	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.224	3,823.224	1.1958	3.3600e-003	3,854.121	
2023	4.6840	27.5518	22.3027	0.0499	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	4,916.172	4,916.172	1.1959	0.1826	4,986.909	
2024	4.5433	16.9929	21.9836	0.0494	1.4739	0.6930	2.1669	0.3985	0.6556	1.0541	0.0000	4,869.798	4,869.798	0.6463	0.1779	4,938.962	
2025	4.4046	15.9080	21.6926	0.0489	1.4739	0.5975	2.0713	0.3985	0.5652	0.9637	0.0000	4,823.699	4,823.699	0.6402	0.1732	4,891.318	
Maximum	4.6840	33.1146	22.3027	0.0499	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	4,916.172	4,916.172	1.1959	0.1826	4,986.909	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398
Energy	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003		349.6882
Mobile	3.5647	3.8769	27.8916	0.0579	5.8548	0.0486	5.9033	1.5627	0.0456	1.6082	6,028.933 1	6,028.933 1	0.3367	0.2906		6,123.933 7
Total	6.0789	4.1671	28.1960	0.0596	5.8548	0.0708	5.9256	1.5627	0.0678	1.6305	6,376.686 8	6,376.686 8	0.3437	0.2969	6,473.761 8	

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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398
Energy	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003		349.6882
Mobile	3.4583	3.6477	26.1806	0.0537	5.4131	0.0452	5.4583	1.4448	0.0424	1.4872	5,587.717 4	5,587.717 4	0.3199	0.2734		5,677.195 9
Total	5.9725	3.9379	26.4850	0.0554	5.4131	0.0674	5.4805	1.4448	0.0647	1.5094	5,935.471 2	5,935.471 2	0.3269	0.2798	6,027.023 9	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	1.75	5.50	6.07	7.11	7.54	4.73	7.51	7.54	4.63	7.42	0.00	6.92	6.92	4.88	5.77	6.90

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Paving	Paving	5/11/2023	10/25/2023	5	120	
4	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 4.26

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,792; Non-Residential Outdoor: 49,931; Striped Parking Area: 12,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	116.00	49.00	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	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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						
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377		2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0000	0.0000	0.0000	0.0000	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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	
Paving	0.0930					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000	
Total	1.1258	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
Paving	0.0930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.1258	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
																6	

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	2,555.209	0.6079		2,570.406
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209	2,555.209	0.6079		2,570.406
												9	9			1

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	0.0583	2.1537	0.7059	9.9200e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,047.976	1,047.976	3.0700e-003	0.1584	1,095.251
Worker	0.3404	0.1779	2.9556	8.4100e-003	0.9529	4.5700e-003	0.9575	0.2528	4.2100e-003	0.2570		860.8514	860.8514	0.0213	0.0202	867.3938
Total	0.3987	2.3316	3.6616	0.0183	1.2849	0.0182	1.3031	0.3484	0.0172	0.3656		1,908.828	1,908.828	0.0244	0.1786	1,962.645
												1	1			6

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	
Total	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	

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	0.0583	2.1537	0.7059	9.9200e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,047.976 6	1,047.976 6	3.0700e-003	0.1584	1,095.251 8	
Worker	0.3404	0.1779	2.9556	8.4100e-003	0.9529	4.5700e-003	0.9575	0.2528	4.2100e-003	0.2570		860.8514	860.8514	0.0213	0.0202	867.3938	
Total	0.3987	2.3316	3.6616	0.0183	1.2849	0.0182	1.3031	0.3484	0.0172	0.3656		1,908.828 1	1,908.828 1	0.0244	0.1786	1,962.645 6	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807	
												9	9			7	

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	0.0572	2.1397	0.6959	9.7200e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,027.249	1,027.249	2.9800e-003	0.1553	1,073.603	
Worker	0.3175	0.1591	2.7629	8.1300e-003	0.9529	4.3500e-003	0.9573	0.2528	4.0000e-003	0.2568		839.0406	839.0406	0.0193	0.0189	845.1415	
Total	0.3747	2.2988	3.4588	0.0179	1.2849	0.0179	1.3028	0.3484	0.0170	0.3653		1,866.290	1,866.290	0.0223	0.1742	1,918.745	
												3	3			1	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7	

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	0.0572	2.1397	0.6959	9.7200e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,027.249 7	1,027.249 7	2.9800e-003	0.1553	1,073.603 6	
Worker	0.3175	0.1591	2.7629	8.1300e-003	0.9529	4.3500e-003	0.9573	0.2528	4.0000e-003	0.2568		839.0406	839.0406	0.0193	0.0189	845.1415	
Total	0.3747	2.2988	3.4588	0.0179	1.2849	0.0179	1.3028	0.3484	0.0170	0.3653		1,866.290 3	1,866.290 3	0.0223	0.1742	1,918.745 1	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498

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	0.0562	2.1208	0.6875	9.5100e-003	0.3320	0.0134	0.3454	0.0956	0.0129	0.1084	1,005.1260	1,005.1260	2.9000e-003	0.1520	1,050.4794	
Worker	0.2978	0.1436	2.5965	7.8600e-003	0.9529	4.1600e-003	0.9571	0.2528	3.8300e-003	0.2566	818.3850	818.3850	0.0175	0.0177	824.1020	
Total	0.3540	2.2644	3.2840	0.0174	1.2849	0.0176	1.3025	0.3484	0.0167	0.3650	1,823.5111	1,823.5111	0.0204	0.1697	1,874.5844	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	

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	0.0562	2.1208	0.6875	9.5100e-003	0.3320	0.0134	0.3454	0.0956	0.0129	0.1084		1,005.126	1,005.126	2.9000e-003	0.1520	1,050.479	
Worker	0.2978	0.1436	2.5965	7.8600e-003	0.9529	4.1600e-003	0.9571	0.2528	3.8300e-003	0.2566		818.3850	818.3850	0.0175	0.0177	824.1020	
Total	0.3540	2.2644	3.2840	0.0174	1.2849	0.0176	1.3025	0.3484	0.0167	0.3650		1,823.511	1,823.511	0.0204	0.1697	1,874.581	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4533						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
Total	2.6450	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0675	0.0353	0.5860	1.6700e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			170.6861	170.6861	4.2200e-003	4.0000e-003	171.9833
Total	0.0675	0.0353	0.5860	1.6700e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			170.6861	170.6861	4.2200e-003	4.0000e-003	171.9833

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4533						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
Total	2.6450	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

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	0.0675	0.0353	0.5860	1.6700e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			170.6861	170.6861	4.2200e-003	4.0000e-003	171.9833
Total	0.0675	0.0353	0.5860	1.6700e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			170.6861	170.6861	4.2200e-003	4.0000e-003	171.9833

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	2.6341	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0630	0.0316	0.5478	1.6100e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			166.3615	166.3615	3.8300e-003	3.7400e-003	167.5712
Total	0.0630	0.0316	0.5478	1.6100e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			166.3615	166.3615	3.8300e-003	3.7400e-003	167.5712

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	2.6341	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0630	0.0316	0.5478	1.6100e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			166.3615	166.3615	3.8300e-003	3.7400e-003	167.5712
Total	0.0630	0.0316	0.5478	1.6100e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			166.3615	166.3615	3.8300e-003	3.7400e-003	167.5712

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.6242	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0285	0.5148	1.5600e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			162.2660	162.2660	3.4800e-003	3.5100e-003	163.3995
Total	0.0590	0.0285	0.5148	1.5600e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			162.2660	162.2660	3.4800e-003	3.5100e-003	163.3995

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.6242	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0285	0.5148	1.5600e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			162.2660	162.2660	3.4800e-003	3.5100e-003	163.3995
Total	0.0590	0.0285	0.5148	1.5600e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			162.2660	162.2660	3.4800e-003	3.5100e-003	163.3995

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****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	3.4583	3.6477	26.1806	0.0537	5.4131	0.0452	5.4583	1.4448	0.0424	1.4872	5,587.717 4	5,587.717 4	0.3199	0.2734	5,677.195 9		
Unmitigated	3.5647	3.8769	27.8916	0.0579	5.8548	0.0486	5.9033	1.5627	0.0456	1.6082	6,028.933 1	6,028.933 1	0.3367	0.2906	6,123.933 7		

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Office Park	1,105.45	163.77	75.89	2,064,759	1,908,990
Parking Lot	0.00	0.00	0.00		
Total	1,105.45	163.77	75.89	2,064,759	1,908,990

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
NaturalGas Unmitigated	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					
Office Park	2954.79	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
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	
Total		0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

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					
Office Park	2.95479	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
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	
Total		0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

6.0 Area Detail

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Unmitigated	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	

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	0.2689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	2.2079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	5.6200e-003	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Total	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6200e-003	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1313	0.1313	3.4000e-004		0.1398
Total	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1313	0.1313	3.4000e-004		0.1398

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions**

Placer County APCD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	99.86	1000sqft	2.29	99,861.00	0
Parking Lot	500.00	Space	4.26	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Building square footage based on FAR conversions; lot acreage provided by City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblLandUse	LandUseSquareFeet	99,860.00	99,861.00
tblLandUse	LotAcreage	4.50	4.26

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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	3,809.648	1.1964	3.9000e-003	3,840.720
2023	4.6515	27.5586	22.0165	0.0489	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	4,816.625	4,816.625	1.1964	0.1868	4,888.742
2024	4.5131	17.2010	21.7247	0.0485	1.4739	0.6931	2.1669	0.3985	0.6556	1.0541	0.0000	4,773.033	4,773.033	0.6503	0.1819	4,843.496
2025	4.3762	16.1104	21.4558	0.0480	1.4739	0.5975	2.0714	0.3985	0.5653	0.9637	0.0000	4,729.540	4,729.540	0.6439	0.1770	4,798.367
Maximum	4.6515	33.1223	22.0165	0.0489	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	4,816.625	4,816.625	1.1964	0.1868	4,888.742

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	8	3,809.648	1.1964	3.9000e-003	3,840.7205
2023	4.6515	27.5586	22.0165	0.0489	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	4,816.625	2	4,816.625	1.1964	0.1868	4,888.740
2024	4.5131	17.2010	21.7247	0.0485	1.4739	0.6931	2.1669	0.3985	0.6556	1.0541	0.0000	4,773.033	1	4,773.033	0.6503	0.1819	4,843.496
2025	4.3762	16.1104	21.4558	0.0480	1.4739	0.5975	2.0714	0.3985	0.5653	0.9637	0.0000	4,729.540	7	4,729.540	0.6439	0.1770	4,798.367
Maximum	4.6515	33.1223	22.0165	0.0489	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	4,816.625	2	4,816.625	1.1964	0.1868	4,888.740

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Energy	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003		349.6882	
Mobile	2.9401	4.4565	29.3268	0.0538	5.8548	0.0486	5.9034	1.5627	0.0456	1.6083	5,603.794 5	5,603.794 5	0.3913	0.3163		5,707.832 0	
Total	5.4544	4.7468	29.6312	0.0555	5.8548	0.0708	5.9256	1.5627	0.0678	1.6305	5,951.548 2	5,951.548 2	0.3983	0.3227	6,057.660 0		

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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Energy	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003		349.6882	
Mobile	2.8260	4.1930	27.7012	0.0499	5.4131	0.0452	5.4583	1.4448	0.0425	1.4872	5,195.122 2	5,195.122 2	0.3740	0.2979		5,293.236 2	
Total	5.3403	4.4832	28.0056	0.0516	5.4131	0.0675	5.4806	1.4448	0.0647	1.5095	5,542.876 0	5,542.876 0	0.3810	0.3042	5,643.064 2		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	2.09	5.55	5.49	7.06	7.54	4.72	7.51	7.54	4.64	7.42	0.00	6.87	6.87	4.33	5.71	6.84

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Paving	Paving	5/11/2023	10/25/2023	5	120	
4	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 4.26

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,792; Non-Residential Outdoor: 49,931; Striped Parking Area: 12,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	116.00	49.00	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	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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						
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.691	2,872.691	0.9291		2,895.918	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377			2,872.691	2,872.691	0.9291		2,895.918

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	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	
Paving	0.0930					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000	
Total	1.1258	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003		101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
Paving	0.0930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.1258	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
																6	

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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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			2,570.400 1
Total	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			2,570.400 1

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	0.0542	2.3155	0.7317	9.9400e-003	0.3320	0.0136	0.3457	0.0956	0.0131	0.1086	1,050.2870	1,050.2870	2.8800e-003	0.1589	1,097.703		
Worker	0.3167	0.2218	2.6952	7.5800e-003	0.9529	4.5700e-003	0.9575	0.2528	4.2100e-003	0.2570	775.8482	775.8482	0.0251	0.0233	783.4312		
Total	0.3709	2.5374	3.4270	0.0175	1.2849	0.0182	1.3032	0.3484	0.0173	0.3656	1,826.1352	1,826.1352	0.0279	0.1822	1,881.135		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	
Total	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	

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	0.0542	2.3155	0.7317	9.9400e-003	0.3320	0.0136	0.3457	0.0956	0.0131	0.1086		1,050.287 0	1,050.287 0	2.8800e-003	0.1589	1,097.700 3	
Worker	0.3167	0.2218	2.6952	7.5800e-003	0.9529	4.5700e-003	0.9575	0.2528	4.2100e-003	0.2570		775.8482	775.8482	0.0251	0.0233	783.4312	
Total	0.3709	2.5374	3.4270	0.0175	1.2849	0.0182	1.3032	0.3484	0.0173	0.3656		1,826.135 2	1,826.135 2	0.0279	0.1822	1,881.131 5	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807	
												9	9			7	

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	0.0530	2.3008	0.7212	9.7500e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,029.561	1,029.561	2.7900e-003	0.1558	1,076.050	
Worker	0.2958	0.1983	2.5257	7.3300e-003	0.9529	4.3500e-003	0.9573	0.2528	4.0000e-003	0.2568		756.3569	756.3569	0.0228	0.0218	763.4255	
Total	0.3488	2.4991	3.2469	0.0171	1.2849	0.0180	1.3029	0.3484	0.0170	0.3654		1,785.918	1,785.918	0.0256	0.1776	1,839.475	
												8	8			8	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	

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	0.0530	2.3008	0.7212	9.7500e-003	0.3320	0.0136	0.3456	0.0956	0.0130	0.1086		1,029.561	1,029.561	2.7900e-003	0.1558	1,076.050	
Worker	0.2958	0.1983	2.5257	7.3300e-003	0.9529	4.3500e-003	0.9573	0.2528	4.0000e-003	0.2568		756.3569	756.3569	0.0228	0.0218	763.4255	
Total	0.3488	2.4991	3.2469	0.0171	1.2849	0.0180	1.3029	0.3484	0.0170	0.3654		1,785.918	1,785.918	0.0256	0.1776	1,839.475	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498	

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	0.0520	2.2810	0.7124	9.5400e-003	0.3320	0.0135	0.3455	0.0956	0.0129	0.1085	1,007.4282	1,007.4282	2.7100e-003	0.1524	1,052.9128		
Worker	0.2775	0.1787	2.3781	7.0800e-003	0.9529	4.1600e-003	0.9571	0.2528	3.8300e-003	0.2566	737.8853	737.8853	0.0208	0.0205	744.5068		
Total	0.3296	2.4597	3.0905	0.0166	1.2849	0.0177	1.3026	0.3484	0.0167	0.3651	1,745.3135	1,745.3135	0.0235	0.1729	1,797.4116		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	

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	0.0520	2.2810	0.7124	9.5400e-003	0.3320	0.0135	0.3455	0.0956	0.0129	0.1085		1,007.428	1,007.428	2.7100e-003	0.1524	1,052.912	
Worker	0.2775	0.1787	2.3781	7.0800e-003	0.9529	4.1600e-003	0.9571	0.2528	3.8300e-003	0.2566		737.8853	737.8853	0.0208	0.0205	744.5068	
Total	0.3296	2.4597	3.0905	0.0166	1.2849	0.0177	1.3026	0.3484	0.0167	0.3651		1,745.313	1,745.313	0.0235	0.1729	1,797.419	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4533						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
Total	2.6450	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0628	0.0440	0.5344	1.5000e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			153.8320	153.8320	4.9700e-003	4.6300e-003	155.3355
Total	0.0628	0.0440	0.5344	1.5000e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			153.8320	153.8320	4.9700e-003	4.6300e-003	155.3355

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2.4533						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
Total	2.6450	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

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	0.0628	0.0440	0.5344	1.5000e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			153.8320	153.8320	4.9700e-003	4.6300e-003	155.3355
Total	0.0628	0.0440	0.5344	1.5000e-003	0.1889	9.1000e-004	0.1899	0.0501	8.3000e-004	0.0510			153.8320	153.8320	4.9700e-003	4.6300e-003	155.3355

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	2.6341	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0587	0.0393	0.5008	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			149.9673	149.9673	4.5200e-003	4.3200e-003	151.3689
Total	0.0587	0.0393	0.5008	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			149.9673	149.9673	4.5200e-003	4.3200e-003	151.3689

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	2.6341	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0587	0.0393	0.5008	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			149.9673	149.9673	4.5200e-003	4.3200e-003	151.3689
Total	0.0587	0.0393	0.5008	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509			149.9673	149.9673	4.5200e-003	4.3200e-003	151.3689

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.6242	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0550	0.0354	0.4715	1.4000e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			146.3048	146.3048	4.1200e-003	4.0600e-003	147.6177
Total	0.0550	0.0354	0.4715	1.4000e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			146.3048	146.3048	4.1200e-003	4.0600e-003	147.6177

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	2.4533						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.6242	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0550	0.0354	0.4715	1.4000e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			146.3048	146.3048	4.1200e-003	4.0600e-003	147.6177
Total	0.0550	0.0354	0.4715	1.4000e-003	0.1889	8.2000e-004	0.1898	0.0501	7.6000e-004	0.0509			146.3048	146.3048	4.1200e-003	4.0600e-003	147.6177

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****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	2.8260	4.1930	27.7012	0.0499	5.4131	0.0452	5.4583	1.4448	0.0425	1.4872	5,195.122	5,195.122	0.3740	0.2979	5,293.236	2	
Unmitigated	2.9401	4.4565	29.3268	0.0538	5.8548	0.0486	5.9034	1.5627	0.0456	1.6083	5,603.794	5,603.794	0.3913	0.3163	5,707.832	0	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Office Park	1,105.45	163.77	75.89	2,064,759	1,908,990
Parking Lot	0.00	0.00	0.00		
Total	1,105.45	163.77	75.89	2,064,759	1,908,990

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
NaturalGas Unmitigated	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					
Office Park	2954.79	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
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	
Total		0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

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					
Office Park	2.95479	0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	
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	
Total		0.0319	0.2897	0.2433	1.7400e-003		0.0220	0.0220		0.0220	0.0220	347.6225	347.6225	6.6600e-003	6.3700e-003	349.6882	

6.0 Area Detail

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	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	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Unmitigated	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	

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	0.2689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	2.2079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	5.6200e-003	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	
Total	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.1313	0.1313	3.4000e-004			0.1398	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.2689						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	2.2079						0.0000	0.0000		0.0000			0.0000			0.0000
Landscaping	5.6200e-003	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004	2.2000e-004	2.2000e-004		0.1313	0.1313	3.4000e-004			0.1398
Total	2.4824	5.5000e-004	0.0611	0.0000		2.2000e-004	2.2000e-004	2.2000e-004	2.2000e-004		0.1313	0.1313	3.4000e-004			0.1398

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10651E+001	5.10651E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	5.77100E-002	6.06260E-001	3.10280E-001	1.01000E-003	2.53500E-002	2.33200E-002	0.00000E+000	8.87157E+001	8.87157E+001	2.86900E-002	0.00000E+000	8.94330E+001
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04160E+001	2.04160E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	5.61100E-002	5.26610E-001	6.83210E-001	9.20000E-004	3.02100E-002	2.78000E-002	0.00000E+000	8.05748E+001	8.05748E+001	2.60600E-002	0.00000E+000	8.12263E+001
Generator Sets	5.66500E-002	5.06140E-001	7.32710E-001	1.32000E-003	2.18600E-002	2.18600E-002	0.00000E+000	1.13041E+002	1.13041E+002	4.53000E-003	0.00000E+000	1.13155E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63734E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95560E+001	4.95560E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32898E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50037E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/ Backhoes	1.24610E-001	1.26030E+000	1.87674E+000	2.62000E-003	6.03600E-002	5.55300E-002	0.00000E+000	2.29870E+002	2.29870E+002	7.43400E-002	0.00000E+000	2.31729E+002
Welders	4.68800E-002	2.75330E-001	3.32530E-001	5.10000E-004	9.37000E-003	9.37000E-003	0.00000E+000	3.76441E+001	3.76441E+001	3.81000E-003	0.00000E+000	3.77395E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10650E+001	5.10650E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	5.77100E-002	6.06260E-001	3.10280E-001	1.01000E-003	2.53500E-002	2.33200E-002	0.00000E+000	8.87156E+001	8.87156E+001	2.86900E-002	0.00000E+000	8.94329E+001
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04159E+001	2.04159E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	5.61100E-002	5.26610E-001	6.83210E-001	9.20000E-004	3.02100E-002	2.78000E-002	0.00000E+000	8.05747E+001	8.05747E+001	2.60600E-002	0.00000E+000	8.12262E+001
Generator Sets	5.66500E-002	5.06140E-001	7.32710E-001	1.32000E-003	2.18600E-002	2.18600E-002	0.00000E+000	1.13041E+002	1.13041E+002	4.53000E-003	0.00000E+000	1.13155E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63733E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95559E+001	4.95559E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32897E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50036E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/Buckets	1.24610E-001	1.26030E+000	1.87673E+000	2.62000E-003	6.03600E-002	5.55300E-002	0.00000E+000	2.29870E+002	2.29870E+002	7.43400E-002	0.00000E+000	2.31728E+002
Welders	4.68800E-002	2.75320E-001	3.32520E-001	5.10000E-004	9.37000E-003	9.37000E-003	0.00000E+000	3.76441E+001	3.76441E+001	3.81000E-003	0.00000E+000	3.77394E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.17497E-006	1.17497E-006	0.00000E+000	0.00000E+000	1.17332E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23992E-006	1.23992E-006	0.00000E+000	0.00000E+000	1.22997E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.46944E-006	1.46944E-006	0.00000E+000	0.00000E+000	9.71768E-007
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24108E-006	1.24108E-006	0.00000E+000	0.00000E+000	1.10802E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15002E-006	1.15002E-006	0.00000E+000	0.00000E+000	1.14887E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14671E-006	1.14671E-006	0.00000E+000	0.00000E+000	1.13751E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21075E-006	1.21075E-006	0.00000E+000	0.00000E+000	1.20104E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16435E-006	1.16435E-006	0.00000E+000	0.00000E+000	1.15501E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08449E-006	1.08449E-006	0.00000E+000	0.00000E+000	1.07579E-006
Rubber Tired Dozers	0.00000E+000	6.66502E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18477E-006	1.18477E-006	0.00000E+000	0.00000E+000	1.17526E-006
Tractors/Loaders/Buckets	0.00000E+000	0.00000E+000	5.32839E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17458E-006	1.17458E-006	0.00000E+000	0.00000E+000	1.20831E-006
Welders	0.00000E+000	3.63201E-005	3.00725E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32823E-006	1.32823E-006	0.00000E+000	0.00000E+000	1.32487E-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		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.25	0.07	0.25	0.07	0.00	0.00
Grading	Fugitive Dust	0.32	0.15	0.32	0.15	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.96	0.46	0.96	0.46	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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	3.65	5.95	5.76	7.30	6.84	6.81	0.00	7.30	7.30	4.62	5.87	7.27
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	3.91	0.02	0.07	1.94
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 3
No	Land Use	Increase Density	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	0.08	0.60		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.08			

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.00			
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	0.08			
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	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.08			

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
No	Exceed Title 24		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	:Install High Efficiency Lighting		
No	:On-site Renewable		

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	0.00	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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Approved Conditions**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use**

Placer County APCD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	35.66	1000sqft	0.82	35,664.00	0
Parking Lot	402.00	Space	3.62	160,800.00	0
Apartments Mid Rise	98.00	Dwelling Unit	1.93	98,000.00	280
Health Club	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on AQ Questionnaire provided by project applicant.

Water Mitigation - Compliant with MWELO.

Trips and VMT -

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LandUseSquareFeet	35,660.00	35,664.00
tblLandUse	LotAcreage	2.58	1.93

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4461	150.4461	0.0472	1.4000e-004	151.6689
2023	0.3856	2.7492	3.1858	5.9000e-003	0.5291	0.1278	0.6569	0.2060	0.1189	0.3249	0.0000	519.2960	519.2960	0.1265	4.6500e-003	523.8429
2024	0.8299	2.2226	2.9514	6.6200e-003	0.2269	0.0908	0.3178	0.0613	0.0859	0.1472	0.0000	592.6086	592.6086	0.0780	0.0204	600.6484
2025	0.3039	0.7282	1.0225	2.3000e-003	0.0800	0.0275	0.1075	0.0216	0.0260	0.0476	0.0000	205.9944	205.9944	0.0269	6.9200e-003	208.7276
Maximum	0.8299	2.7492	3.1858	6.6200e-003	0.8636	0.1278	0.9338	0.4414	0.1189	0.5059	0.0000	592.6086	592.6086	0.1265	0.0204	600.6484

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4459	150.4459	0.0472	1.4000e-004	151.6687
2023	0.3856	2.7492	3.1858	5.9000e-003	0.5291	0.1278	0.6569	0.2060	0.1189	0.3249	0.0000	519.2955	519.2955	0.1265	4.6500e-003	523.8423
2024	0.8299	2.2226	2.9514	6.6200e-003	0.2269	0.0908	0.3178	0.0613	0.0859	0.1472	0.0000	592.6082	592.6082	0.0780	0.0204	600.6480
2025	0.3039	0.7282	1.0225	2.3000e-003	0.0800	0.0275	0.1075	0.0216	0.0260	0.0476	0.0000	205.9943	205.9943	0.0269	6.9200e-003	208.7274
Maximum	0.8299	2.7492	3.1858	6.6200e-003	0.8636	0.1278	0.9338	0.4414	0.1189	0.5059	0.0000	592.6082	592.6082	0.1265	0.0204	600.6480

	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	9-1-2022	11-30-2022	1.1812	1.1812
2	12-1-2022	2-28-2023	0.8329	0.8329
3	3-1-2023	5-31-2023	0.7069	0.7069
4	6-1-2023	8-31-2023	0.9069	0.9069
5	9-1-2023	11-30-2023	0.8297	0.8297
6	12-1-2023	2-29-2024	0.7741	0.7741
7	3-1-2024	5-31-2024	0.7652	0.7652
8	6-1-2024	8-31-2024	0.7634	0.7634

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	9-1-2024	11-30-2024	0.7588	0.7588
10	12-1-2024	2-28-2025	0.7261	0.7261
11	3-1-2025	5-31-2025	0.5642	0.5642
		Highest	1.1812	1.1812

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	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180	
Energy	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	158.0396	158.0396	0.0145	3.0000e-003	159.2959	
Mobile	0.5155	0.7250	4.7022	9.3500e-003	0.9594	8.3100e-003	0.9677	0.2570	7.8000e-003	0.2648	0.0000	882.9520	882.9520	0.0566	0.0473	898.4722	
Waste						0.0000	0.0000		0.0000	0.0000	25.1384	0.0000	25.1384	1.4856	0.0000	62.2793	
Water						0.0000	0.0000		0.0000	0.0000	4.1866	9.2621	13.4486	0.4315	0.0103	27.3158	
Total	7.3421	0.9222	13.0637	0.0236	0.9594	1.0820	2.0415	0.2570	1.0815	1.3385	130.5548	1,093.9046	1,224.4594	2.0828	0.0686	1,296.9812	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.6767	0.0684	0.7566	4.2000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091	
Energy	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	158.0396	158.0396	0.0145	3.0000e-003	159.2959	
Mobile	0.4921	0.6714	4.3650	8.5000e-003	0.8693	7.6000e-003	0.8769	0.2329	7.1300e-003	0.2400	0.0000	802.6977	802.6977	0.0533	0.0439	817.1051	
Waste						0.0000	0.0000		0.0000	0.0000	25.1384	0.0000	25.1384	1.4856	0.0000	62.2793	
Water						0.0000	0.0000		0.0000	0.0000	4.1866	8.7310	12.9175	0.4314	0.0103	26.7795	
Total	1.1766	0.8084	5.1616	9.3500e-003	0.8693	0.0219	0.8912	0.2329	0.0215	0.2543	29.3250	1,040.1356	1,069.4606	1.9874	0.0585	1,136.5689	

	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	83.97	12.34	60.49	60.33	9.39	97.97	56.34	9.39	98.02	81.00	77.54	4.92	12.66	4.58	14.81	12.37

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	5/11/2023	10/25/2023	5	120
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400

Acres of Grading (Site Preparation Phase): 135**Acres of Grading (Grading Phase): 90****Acres of Paving: 3.62**

Residential Indoor: 198,450; Residential Outdoor: 66,150; Non-Residential Indoor: 65,496; Non-Residential Outdoor: 21,832; Striped Parking Area: 9,648 (Architectural Coating – sqft)

OffRoad Equipment

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
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
Paving	Cranes	1	7.00	231	0.29
Paving	Forklifts	3	8.00	89	0.20
Paving	Generator Sets	1	8.00	84	0.74
Paving	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Paving	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	153.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

3.2 Site Preparation - 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					
Fugitive Dust					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

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					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

3.3 Grading - 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					
Fugitive Dust					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****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	1.1900e-003	0.0478	0.0151	2.1000e-004	6.7500e-003	2.9000e-004	7.0400e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	20.0804	20.0804	6.0000e-005	3.0400e-003	20.9867	
Worker	9.2900e-003	6.2300e-003	0.0818	2.4000e-004	0.0282	1.4000e-004	0.0284	7.5200e-003	1.3000e-004	7.6500e-003	0.0000	22.2964	22.2964	6.5000e-004	6.1000e-004	22.4955	
Total	0.0105	0.0540	0.0969	4.5000e-004	0.0350	4.3000e-004	0.0354	9.4800e-003	4.0000e-004	9.8800e-003	0.0000	42.3769	42.3769	7.1000e-004	3.6500e-003	43.4822	

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****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	1.1900e-003	0.0478	0.0151	2.1000e-004	6.7500e-003	2.9000e-004	7.0400e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	20.0804	20.0804	6.0000e-005	3.0400e-003	20.9867	
Worker	9.2900e-003	6.2300e-003	0.0818	2.4000e-004	0.0282	1.4000e-004	0.0284	7.5200e-003	1.3000e-004	7.6500e-003	0.0000	22.2964	22.2964	6.5000e-004	6.1000e-004	22.4955	
Total	0.0105	0.0540	0.0969	4.5000e-004	0.0350	4.3000e-004	0.0354	9.4800e-003	4.0000e-004	9.8800e-003	0.0000	42.3769	42.3769	7.1000e-004	3.6500e-003	43.4822	

3.4 Building Construction - 2024**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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	6.4900e-003	0.2645	0.0832	1.1400e-003	0.0377	1.6000e-003	0.0392	0.0109	1.5300e-003	0.0124	0.0000	109.7260	109.7260	3.1000e-004	0.0166	114.6793
Worker	0.0483	0.0310	0.4268	1.2900e-003	0.1574	7.5000e-004	0.1582	0.0419	6.9000e-004	0.0426	0.0000	121.1633	121.1633	3.2900e-003	3.1900e-003	122.1975
Total	0.0548	0.2955	0.5100	2.4300e-003	0.1951	2.3500e-003	0.1974	0.0528	2.2200e-003	0.0550	0.0000	230.8893	230.8893	3.6000e-003	0.0198	236.8769

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	6.4900e-003	0.2645	0.0832	1.1400e-003	0.0377	1.6000e-003	0.0392	0.0109	1.5300e-003	0.0124	0.0000	109.7260	109.7260	3.1000e-004	0.0166	114.6793	
Worker	0.0483	0.0310	0.4268	1.2900e-003	0.1574	7.5000e-004	0.1582	0.0419	6.9000e-004	0.0426	0.0000	121.1633	121.1633	3.2900e-003	3.1900e-003	122.1975	
Total	0.0548	0.2955	0.5100	2.4300e-003	0.1951	2.3500e-003	0.1974	0.0528	2.2200e-003	0.0550	0.0000	230.8893	230.8893	3.6000e-003	0.0198	236.8769	

3.4 Building Construction - 2025**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	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435
Total	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	2.2200e-003	0.0911	0.0285	3.9000e-004	0.0131	5.5000e-004	0.0136	3.7900e-003	5.3000e-004	4.3100e-003	0.0000	37.2908	37.2908	1.0000e-004	5.6400e-003	38.9741	
Worker	0.0157	9.7100e-003	0.1394	4.3000e-004	0.0547	2.5000e-004	0.0549	0.0146	2.3000e-004	0.0148	0.0000	41.0541	41.0541	1.0400e-003	1.0400e-003	41.3906	
Total	0.0180	0.1008	0.1680	8.2000e-004	0.0678	8.0000e-004	0.0686	0.0183	7.6000e-004	0.0191	0.0000	78.3449	78.3449	1.1400e-003	6.6800e-003	80.3647	

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	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434
Total	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	2.2200e-003	0.0911	0.0285	3.9000e-004	0.0131	5.5000e-004	0.0136	3.7900e-003	5.3000e-004	4.3100e-003	0.0000	37.2908	37.2908	1.0000e-004	5.6400e-003	38.9741	
Worker	0.0157	9.7100e-003	0.1394	4.3000e-004	0.0547	2.5000e-004	0.0549	0.0146	2.3000e-004	0.0148	0.0000	41.0541	41.0541	1.0400e-003	1.0400e-003	41.3906	
Total	0.0180	0.1008	0.1680	8.2000e-004	0.0678	8.0000e-004	0.0686	0.0183	7.6000e-004	0.0191	0.0000	78.3449	78.3449	1.1400e-003	6.6800e-003	80.3647	

3.5 Paving - 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	0.1563	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2441	259.2441	0.0720	0.0000	261.0428	
Paving	4.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	0.1611	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2441	259.2441	0.0720	0.0000	261.0428	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****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	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	
Total	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	

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	0.1563	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2437	259.2437	0.0720	0.0000	261.0424
Paving	4.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1611	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2437	259.2437	0.0720	0.0000	261.0424

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****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	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	
Total	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	

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	0.0775					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0811	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	
Total	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	

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	0.0775					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0811	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	
Total	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	

3.6 Architectural Coating - 2024**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	0.5489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5725	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	
Total	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	

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	0.5489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5725	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	
Total	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	

3.6 Architectural Coating - 2025**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	0.2116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.2202	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	
Total	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	

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	0.2116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.2202	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	
Total	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.4921	0.6714	4.3650	8.5000e-003	0.8693	7.6000e-003	0.8769	0.2329	7.1300e-003	0.2400	0.0000	802.6977	802.6977	0.0533	0.0439	817.1051	
Unmitigated	0.5155	0.7250	4.7022	9.3500e-003	0.9594	8.3100e-003	0.9677	0.2570	7.8000e-003	0.2648	0.0000	882.9520	882.9520	0.0566	0.0473	898.4722	

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	533.12	481.18	400.82	1,451,750	1,315,383		
Office Park	394.76	58.48	27.10	737,325	668,066		
Parking Lot	0.00	0.00	0.00				
Health Club	263.44	166.96	213.84	419,083	379,717		
Total	1,191.32	706.62	641.76	2,608,158	2,363,166		

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	80.3653	80.3653	0.0130	1.5800e-003	81.1600	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	80.3653	80.3653	0.0130	1.5800e-003	81.1600	
NaturalGas Mitigated	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003	5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4900e-003	1.4200e-003	78.1359	
NaturalGas Unmitigated	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003	5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4900e-003	1.4200e-003	78.1359	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	922791	4.9800e-003	0.0425	0.0181	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2436	49.2436	9.4000e-004	9.0000e-004	49.5363
Health Club	147600	8.0000e-004	7.2400e-003	6.0800e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.8765	7.8765	1.5000e-004	1.4000e-004	7.9233
Office Park	385171	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5542	20.5542	3.9000e-004	3.8000e-004	20.6764
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
Total		7.8600e-003	0.0686	0.0400	4.2000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4800e-003	1.4200e-003	78.1359

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	922791	4.9800e-003	0.0425	0.0181	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2436	49.2436	9.4000e-004	9.0000e-004	49.5363
Health Club	147600	8.0000e-004	7.2400e-003	6.0800e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.8765	7.8765	1.5000e-004	1.4000e-004	7.9233
Office Park	385171	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5542	20.5542	3.9000e-004	3.8000e-004	20.6764
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
Total		7.8600e-003	0.0686	0.0400	4.2000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4800e-003	1.4200e-003	78.1359

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	381585	35.3056	5.7100e-003	6.9000e-004	35.6548
Health Club	66240	6.1288	9.9000e-004	1.2000e-004	6.1894
Office Park	364486	33.7236	5.4600e-003	6.6000e-004	34.0571
Parking Lot	56280	5.2072	8.4000e-004	1.0000e-004	5.2587
Total		80.3653	0.0130	1.5700e-003	81.1600

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	381585	35.3056	5.7100e-003	6.9000e-004	35.6548
Health Club	66240	6.1288	9.9000e-004	1.2000e-004	6.1894
Office Park	364486	33.7236	5.4600e-003	6.6000e-004	34.0571
Parking Lot	56280	5.2072	8.4000e-004	1.0000e-004	5.2587
Total		80.3653	0.0130	1.5700e-003	81.1600

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.6767	0.0684	0.7566	4.2000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091
Unmitigated	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180

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	0.0838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5637					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.1491	0.1201	7.5904	0.0138		1.0643	1.0643		1.0643	1.0643	101.2299	42.4543	143.6842	0.0934	7.9600e-003	148.3925
Landscaping	0.0222	8.4100e-003	0.7311	4.0000e-005		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	1.1966	1.1966	1.1600e-003	0.0000	1.2256
Total	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0838						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5637						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.0200e-003	0.0600	0.0255	3.8000e-004			4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	69.4707	69.4707	1.3300e-003	1.2700e-003	69.8835
Landscaping	0.0222	8.4100e-003	0.7311	4.0000e-005			4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	1.1966	1.1966	1.1600e-003	0.0000	1.2256
Total	0.6767	0.0684	0.7566	4.2000e-004			8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.9175	0.4314	0.0103	26.7795
Unmitigated	13.4486	0.4315	0.0103	27.3158

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.38509 / 4.02539	6.5259	0.2088	5.0000e- 003	13.2359
Health Club	0.473145 / 0.289992	0.4809	0.0155	3.7000e- 004	0.9781
Office Park	6.33799 / 3.88457	6.4418	0.2072	4.9600e- 003	13.1019
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.4486	0.4315	0.0103	27.3158

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.38509 / 3.22031	6.2652	0.2087	5.0000e- 003	12.9726
Health Club	0.473145 / 0.231994	0.4621	0.0155	3.7000e- 004	0.9591
Office Park	6.33799 / 3.10766	6.1902	0.2072	4.9600e- 003	12.8478
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		12.9175	0.4314	0.0103	26.7795

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Category/Year**

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	25.1384	1.4856	0.0000	62.2793
Unmitigated	25.1384	1.4856	0.0000	62.2793

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use tons MT/yr					
Apartments Mid Rise	45.08	9.1508	0.5408	0.0000	22.6708
Health Club	45.6	9.2564	0.5470	0.0000	22.9323
Office Park	33.16	6.7312	0.3978	0.0000	16.6762
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.1384	1.4856	0.0000	62.2793

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	45.08	9.1508	0.5408	0.0000	22.6708
Health Club	45.6	9.2564	0.5470	0.0000	22.9323
Office Park	33.16	6.7312	0.3978	0.0000	16.6762
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.1384	1.4856	0.0000	62.2793

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

11.0 Vegetation

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use**

Placer County APCD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	35.66	1000sqft	0.82	35,664.00	0
Parking Lot	402.00	Space	3.62	160,800.00	0
Apartments Mid Rise	98.00	Dwelling Unit	1.93	98,000.00	280
Health Club	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on AQ Questionnaire provided by project applicant.

Water Mitigation - Compliant with MWELO.

Trips and VMT -

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LandUseSquareFeet	35,660.00	35,664.00
tblLandUse	LotAcreage	2.58	1.93

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.2249	3,823.2249	1.1958	3.3600e-003	3,854.1221
2023	6.5465	27.5518	32.7647	0.0553	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,326.8002	5,326.8002	1.3358	0.1742	5,364.1321
2024	6.3970	16.8363	22.9844	0.0516	1.8097	0.6933	2.5030	0.4868	0.6558	1.1426	0.0000	5,090.4672	5,090.4672	0.6535	0.1694	5,157.2734
2025	6.2508	15.7473	22.6298	0.0509	1.8097	0.5977	2.4074	0.4868	0.5654	1.0522	0.0000	5,038.6126	5,038.6126	0.6467	0.1645	5,103.8138
Maximum	6.5465	33.1146	32.7647	0.0553	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,326.8002	5,326.8002	1.3358	0.1742	5,364.1321

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.224	3,823.224	1.1958	3.3600e-003	3,854.122	
2023	6.5465	27.5518	32.7647	0.0553	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,326.800	5,326.800	1.3358	0.1742	5,364.132	
2024	6.3970	16.8363	22.9844	0.0516	1.8097	0.6933	2.5030	0.4868	0.6558	1.1426	0.0000	5,090.467	5,090.467	0.6535	0.1694	5,157.274	
2025	6.2508	15.7473	22.6298	0.0509	1.8097	0.5977	2.4074	0.4868	0.5654	1.0522	0.0000	5,038.612	5,038.612	0.6467	0.1645	5,103.818	
Maximum	6.5465	33.1146	32.7647	0.0553	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,326.800	5,326.800	1.3358	0.1742	5,364.132	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.629 6	1,156.067 4	3,877.697 0	2.5258	0.2141	4,004.637 1	
Energy	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
Mobile	3.8344	4.1626	29.9427	0.0621	6.2798	0.0521	6.3318	1.6761	0.0489	1.7250		6,467.477 7	6,467.477 7	0.3617	0.3120	6,569.485 1	
Total	157.6505	7.5610	223.4173	0.4003	6.2798	26.0841	32.3639	1.6761	26.0809	27.7570	2,721.629 6	8,092.702 8	10,814.33 24	2.8965	0.5346	11,046.06 79	

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	3.9656	1.5565	8.7454	9.7700e-003		0.1633	0.1633		0.1633	0.1633	0.0000	1,882.420 4	1,882.420 4	0.0500	0.0342	1,893.874 4	
Energy	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
Mobile	3.6923	3.8565	27.6577	0.0564	5.6899	0.0476	5.7375	1.5187	0.0447	1.5633		5,878.241 5	5,878.241 5	0.3393	0.2891	5,972.874 1	
Total	7.7010	5.7891	36.6225	0.0686	5.6899	0.2406	5.9305	1.5187	0.2377	1.7563	0.0000	8,229.819 5	8,229.819 5	0.3983	0.3319	8,338.694 1	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	95.12	23.44	83.61	82.87	9.39	99.08	81.68	9.39	99.09	93.67	100.00	-1.69	23.90	86.25	37.92	24.51

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
4	Paving	Paving	5/11/2023	10/25/2023	5	120	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 3.62

Residential Indoor: 198,450; Residential Outdoor: 66,150; Non-Residential Indoor: 65,496; Non-Residential Outdoor: 21,832; Striped Parking Area: 9,648 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Paving	Cranes	1	7.00	231	0.29
Paving	Forklifts	3	8.00	89	0.20
Paving	Generator Sets	1	8.00	84	0.74
Paving	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Paving	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	153.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	3,686.061	1.1922			3,715.865
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061	3,686.061	1.1922			3,715.865

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	0.0000	0.0000	0.0000	0.0000	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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399	137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566		
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399	137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291			2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377			2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0000	0.0000	0.0000	0.0000	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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	
Total	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

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	0.0524	1.9340	0.6339	8.9100e-003	0.2982	0.0122	0.3103	0.0858	0.0117	0.0975	941.0402	941.0402	2.7600e-003	0.1422		983.4914	
Worker	0.4490	0.2346	3.8984	0.0111	1.2569	6.0300e-003	1.2629	0.3334	5.5500e-003	0.3389	1,135.433 4	1,135.433 4	0.0281	0.0266		1,144.062 5	
Total	0.5014	2.1686	4.5323	0.0200	1.5550	0.0182	1.5732	0.4192	0.0172	0.4364		2,076.473 6	2,076.473 6	0.0309	0.1688		2,127.553 9

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	
Total	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	

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	0.0524	1.9340	0.6339	8.9100e-003	0.2982	0.0122	0.3103	0.0858	0.0117	0.0975		941.0402	941.0402	2.7600e-003	0.1422	983.4914	
Worker	0.4490	0.2346	3.8984	0.0111	1.2569	6.0300e-003	1.2629	0.3334	5.5500e-003	0.3389		1,135.433 4	1,135.433 4	0.0281	0.0266	1,144.062 5	
Total	0.5014	2.1686	4.5323	0.0200	1.5550	0.0182	1.5732	0.4192	0.0172	0.4364		2,076.473 6	2,076.473 6	0.0309	0.1688	2,127.553 9	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698	2,555.698	0.6044			2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698	2,555.698	0.6044			2,570.807	

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	0.0513	1.9214	0.6249	8.7300e-003	0.2981	0.0122	0.3103	0.0858	0.0117	0.0975	922.4283	922.4283	2.6700e-003	0.1395	964.0522		
Worker	0.4188	0.2099	3.6441	0.0107	1.2569	5.7400e-003	1.2626	0.3334	5.2800e-003	0.3387	1,106.665	1,106.665	0.0255	0.0249	1,114.712	5	
Total	0.4701	2.1312	4.2691	0.0195	1.5550	0.0179	1.5729	0.4192	0.0169	0.4361	2,029.093	2,029.093	0.0281	0.1643	2,078.764	7	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	

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	0.0513	1.9214	0.6249	8.7300e-003	0.2981	0.0122	0.3103	0.0858	0.0117	0.0975	922.4283	922.4283	2.6700e-003	0.1395	964.0522		
Worker	0.4188	0.2099	3.6441	0.0107	1.2569	5.7400e-003	1.2626	0.3334	5.2800e-003	0.3387	1,106.665	1,106.665	0.0255	0.0249	1,114.712		
Total	0.4701	2.1312	4.2691	0.0195	1.5550	0.0179	1.5729	0.4192	0.0169	0.4361	2,029.093	2,029.093	0.0281	0.1643	2,078.764		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.490	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.490	

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	0.0505	1.9044	0.6173	8.5400e-003	0.2981	0.0121	0.3102	0.0858	0.0115	0.0974	902.5621	902.5621	2.6000e-003	0.1364	943.2876		
Worker	0.3927	0.1893	3.4247	0.0104	1.2569	5.4900e-003	1.2624	0.3334	5.0500e-003	0.3384	1,079.4217	1,079.4217	0.0231	0.0234	1,086.9621		
Total	0.4432	2.0938	4.0421	0.0189	1.5550	0.0176	1.5726	0.4192	0.0166	0.4358	1,981.9838	1,981.9838	0.0257	0.1598	2,030.2487		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	

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	0.0505	1.9044	0.6173	8.5400e-003	0.2981	0.0121	0.3102	0.0858	0.0115	0.0974	902.5621	902.5621	2.6000e-003	0.1364	943.2876		
Worker	0.3927	0.1893	3.4247	0.0104	1.2569	5.4900e-003	1.2624	0.3334	5.0500e-003	0.3384	1,079.421	1,079.421	0.0231	0.0234	1,086.962		
Total	0.4432	2.0938	4.0421	0.0189	1.5550	0.0176	1.5726	0.4192	0.0166	0.4358	1,981.983	1,981.983	0.0257	0.1598	2,030.249		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	2.6055	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	4,762.794 1	4,762.794 1	1.3218			4,795.839 6	
Paving	0.0790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	2.6845	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	4,762.794 1	4,762.794 1	1.3218			4,795.839 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.2230	0.1165	1.9364	5.5100e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	564.0061	564.0061	0.0140	0.0132		568.2925	
Total	0.2230	0.1165	1.9364	5.5100e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	564.0061	564.0061	0.0140	0.0132		568.2925	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 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	2.6055	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	0.0000	4,762.794	1	4,762.794	1	1.3218		4,795.839	6
Paving	0.0790					0.0000	0.0000		0.0000	0.0000				0.0000			0.0000		
Total	2.6845	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	0.0000	4,762.794	1	4,762.794	1	1.3218		4,795.839	6

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	0.2230	0.1165	1.9364	5.5100e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	564.0061	564.0061	0.0140	0.0132	568.2925		
Total	0.2230	0.1165	1.9364	5.5100e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	564.0061	564.0061	0.0140	0.0132	568.2925		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.1898						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
Total	4.3814	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0910	0.0475	0.7899	2.2500e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			230.0551	230.0551	5.6900e-003	5.3900e-003	231.8035
Total	0.0910	0.0475	0.7899	2.2500e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			230.0551	230.0551	5.6900e-003	5.3900e-003	231.8035

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.1898						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
Total	4.3814	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

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	0.0910	0.0475	0.7899	2.2500e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			230.0551	230.0551	5.6900e-003	5.3900e-003	231.8035
Total	0.0910	0.0475	0.7899	2.2500e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			230.0551	230.0551	5.6900e-003	5.3900e-003	231.8035

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.3705	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0849	0.0425	0.7384	2.1700e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			224.2264	224.2264	5.1600e-003	5.0400e-003	225.8568
Total	0.0849	0.0425	0.7384	2.1700e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			224.2264	224.2264	5.1600e-003	5.0400e-003	225.8568

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.3705	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0849	0.0425	0.7384	2.1700e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			224.2264	224.2264	5.1600e-003	5.0400e-003	225.8568
Total	0.0849	0.0425	0.7384	2.1700e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			224.2264	224.2264	5.1600e-003	5.0400e-003	225.8568

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.3606	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0796	0.0384	0.6939	2.1000e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			218.7064	218.7064	4.6900e-003	4.7300e-003	220.2342
Total	0.0796	0.0384	0.6939	2.1000e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			218.7064	218.7064	4.6900e-003	4.7300e-003	220.2342

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.3606	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0796	0.0384	0.6939	2.1000e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			218.7064	218.7064	4.6900e-003	4.7300e-003	220.2342
Total	0.0796	0.0384	0.6939	2.1000e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			218.7064	218.7064	4.6900e-003	4.7300e-003	220.2342

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	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	3.6923	3.8565	27.6577	0.0564	5.6899	0.0476	5.7375	1.5187	0.0447	1.5633	5,878.241	5,878.241	0.3393	0.2891	5,972.874	1
Unmitigated	3.8344	4.1626	29.9427	0.0621	6.2798	0.0521	6.3318	1.6761	0.0489	1.7250	6,467.477	6,467.477	0.3617	0.3120	6,569.485	1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday		
Apartments Mid Rise	533.12	481.18	400.82	1,451,750	1,315,383
Office Park	394.76	58.48	27.10	737,325	668,066
Parking Lot	0.00	0.00	0.00		
Health Club	263.44	166.96	213.84	419,083	379,717
Total	1,191.32	706.62	641.76	2,608,158	2,363,166

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297	0.0297	0.0297	0.0297	469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
NaturalGas Unmitigated	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297	0.0297	0.0297	0.0297	469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2528.19	0.0273	0.2330	0.0991	1.4900e-003		0.0188	0.0188		0.0188	0.0188	297.4345	297.4345	5.7000e-003	5.4500e-003	299.2020		
Health Club	404.384	4.3600e-003	0.0397	0.0333	2.4000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	47.5745	47.5745	9.1000e-004	8.7000e-004	47.8573		
Office Park	1055.26	0.0114	0.1035	0.0869	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	124.1487	124.1487	2.3800e-003	2.2800e-003	124.8864		
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		
Total		0.0430	0.3761	0.2193	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	2.52819	0.0273	0.2330	0.0991	1.4900e-003		0.0188	0.0188		0.0188	0.0188	297.4345	297.4345	5.7000e-003	5.4500e-003	299.2020		
Health Club	0.404384	4.3600e-003	0.0397	0.0333	2.4000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	47.5745	47.5745	9.1000e-004	8.7000e-004	47.8573		
Office Park	1.05526	0.0114	0.1035	0.0869	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	124.1487	124.1487	2.3800e-003	2.2800e-003	124.8864		
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		
Total		0.0430	0.3761	0.2193	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	3.9656	1.5565	8.7454	9.7700e-003		0.1633	0.1633		0.1633	0.1633	0.0000	1,882.4204	1,882.4204	0.0500	0.0342	1,893.8744	
Unmitigated	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.6296	1,156.0674	3,877.6970	2.5258	0.2141	4,004.6371	

6.2 Area by SubCategoryUnmitigated

	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	0.4592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.0886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	149.9787	2.9289	185.1324	0.3354		25.9573	25.9573		25.9573	25.9573	2,721.6296	1,141.4118	3,863.0414	2.5116	0.2141	3,989.6266	
Landscaping	0.2467	0.0935	8.1229	4.3000e-004		0.0450	0.0450		0.0450	0.0450			14.6557	14.6557	0.0142		15.0105
Total	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.6296	1,156.0674	3,877.6970	2.5258	0.2141	4,004.6371	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.4592						0.0000	0.0000		0.0000			0.0000			0.0000	
Consumer Products	3.0886						0.0000	0.0000		0.0000			0.0000			0.0000	
Hearth	0.1712	1.4631	0.6226	9.3400e-003			0.1183	0.1183		0.1183	0.1183	0.0000	1,867.7647	1,867.7647	0.0358	0.0342	1,878.8639
Landscaping	0.2467	0.0935	8.1229	4.3000e-004			0.0450	0.0450		0.0450	0.0450		14.6557	14.6557	0.0142		15.0105
Total	3.9656	1.5565	8.7454	9.7700e-003			0.1633	0.1633		0.1633	0.1633	0.0000	1,882.4204	1,882.4204	0.0500	0.0342	1,893.8744

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use**

Placer County APCD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	35.66	1000sqft	0.82	35,664.00	0
Parking Lot	402.00	Space	3.62	160,800.00	0
Apartments Mid Rise	98.00	Dwelling Unit	1.93	98,000.00	280
Health Club	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on AQ Questionnaire provided by project applicant.

Water Mitigation - Compliant with MWELO.

Trips and VMT -

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LandUseSquareFeet	35,660.00	35,664.00
tblLandUse	LotAcreage	2.58	1.93

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	3,809.648	1.1964	3.9000e-003	3,840.7205	
2023	6.5052	27.5586	32.5941	0.0547	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,271.1084	5,271.1084	1.3382	0.1797	5,309.1222	
2024	6.3589	17.0431	22.6309	0.0503	1.8097	0.6934	2.5030	0.4868	0.6559	1.1426	0.0000	4,961.3901	4,961.3901	0.6589	0.1745	5,029.8520	
2025	6.2150	15.9469	22.3056	0.0497	1.8097	0.5978	2.4074	0.4868	0.5654	1.0522	0.0000	4,912.9905	4,912.9905	0.6517	0.1693	4,979.7445	
Maximum	6.5052	33.1223	32.5941	0.0547	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,271.1084	5,271.1084	1.3382	0.1797	5,309.1222	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	3,809.648	1.1964	3.9000e-003	3,840.7205	
2023	6.5052	27.5586	32.5941	0.0547	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,271.108	5,271.108	1.3382	0.1797	5,309.1221	
2024	6.3589	17.0431	22.6309	0.0503	1.8097	0.6934	2.5030	0.4868	0.6559	1.1426	0.0000	4,961.390	4,961.390	0.6589	0.1745	5,029.8520	
2025	6.2150	15.9469	22.3056	0.0497	1.8097	0.5978	2.4074	0.4868	0.5654	1.0522	0.0000	4,912.990	4,912.990	0.6517	0.1693	4,979.7445	
Maximum	6.5052	33.1223	32.5941	0.0547	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,271.108	5,271.108	1.3382	0.1797	5,309.1221	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.629 6	1,156.067 4	3,877.697 0	2.5258	0.2141	4,004.637 1	
Energy	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
Mobile	3.1608	4.7849	31.4951	0.0577	6.2798	0.0521	6.3319	1.6761	0.0489	1.7250		6,011.510 9	6,011.510 9	0.4205	0.3396	6,123.230 1	
Total	156.9769	8.1834	224.9697	0.3959	6.2798	26.0842	32.3639	1.6761	26.0809	27.7570	2,721.629 6	7,636.736 0	10,358.36 57	2.9553	0.5623	10,599.81 28	

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	3.9656	1.5565	8.7454	9.7700e-003		0.1633	0.1633		0.1633	0.1633	0.0000	1,882.420 4	1,882.420 4	0.0500	0.0342	1,893.874 4	
Energy	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
Mobile	3.0084	4.4330	29.3242	0.0525	5.6899	0.0477	5.7375	1.5187	0.0447	1.5634		5,465.735 9	5,465.735 9	0.3975	0.3150	5,569.544 2	
Total	7.0171	6.3656	38.2890	0.0646	5.6899	0.2407	5.9305	1.5187	0.2377	1.7564	0.0000	7,817.314 0	7,817.314 0	0.4564	0.3579	7,935.364 3	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	95.53	22.21	82.98	83.68	9.39	99.08	81.68	9.39	99.09	93.67	100.00	-2.36	24.53	84.56	36.36	25.14

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
4	Paving	Paving	5/11/2023	10/25/2023	5	120	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 3.62

Residential Indoor: 198,450; Residential Outdoor: 66,150; Non-Residential Indoor: 65,496; Non-Residential Outdoor: 21,832; Striped Parking Area: 9,648 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Paving	Cranes	1	7.00	231	0.29
Paving	Forklifts	3	8.00	89	0.20
Paving	Generator Sets	1	8.00	84	0.74
Paving	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Paving	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	153.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549	
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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						
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291			2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377		2,872.6910	2,872.6910	0.9291			2,895.9182

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	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	
Total	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

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	0.0486	2.0792	0.6571	8.9300e-003	0.2982	0.0123	0.3104	0.0858	0.0117	0.0976	943.1149	943.1149	2.5900e-003	0.1427		985.6900	
Worker	0.4178	0.2926	3.5549	0.0100	1.2569	6.0300e-003	1.2629	0.3334	5.5500e-003	0.3389	1,023.317 0	1,023.317 0	0.0331	0.0308		1,033.318 7	
Total	0.4664	2.3718	4.2120	0.0189	1.5550	0.0183	1.5733	0.4192	0.0173	0.4365		1,966.431 9	1,966.431 9	0.0356	0.1734		2,019.008 8

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2,555.2099	2,555.2099	0.6079		2,570.4061	
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061	

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	0.0486	2.0792	0.6571	8.9300e-003	0.2982	0.0123	0.3104	0.0858	0.0117	0.0976	943.1149	943.1149	2.5900e-003	0.1427	985.6900		
Worker	0.4178	0.2926	3.5549	0.0100	1.2569	6.0300e-003	1.2629	0.3334	5.5500e-003	0.3389	1,023.3170	1,023.3170	0.0331	0.0308	1,033.3187		
Total	0.4664	2.3718	4.2120	0.0189	1.5550	0.0183	1.5733	0.4192	0.0173	0.4365	1,966.4319	1,966.4319	0.0356	0.1734	2,019.0088		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698	2,555.698	0.6044			2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698	2,555.698	0.6044			2,570.807	

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	0.0476	2.0660	0.6477	8.7500e-003	0.2981	0.0122	0.3104	0.0858	0.0117	0.0975	924.5046	924.5046	2.5000e-003	0.1399	966.2492		
Worker	0.3902	0.2615	3.3313	9.6700e-003	1.2569	5.7400e-003	1.2626	0.3334	5.2800e-003	0.3387	997.6087	997.6087	0.0301	0.0288	1,006.932	0	
Total	0.4378	2.3276	3.9790	0.0184	1.5550	0.0180	1.5730	0.4192	0.0170	0.4362	1,922.113	1,922.113	0.0326	0.1686	1,973.181	2	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807	

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	0.0476	2.0660	0.6477	8.7500e-003	0.2981	0.0122	0.3104	0.0858	0.0117	0.0975	924.5046	924.5046	2.5000e-003	0.1399	966.2492		
Worker	0.3902	0.2615	3.3313	9.6700e-003	1.2569	5.7400e-003	1.2626	0.3334	5.2800e-003	0.3387	997.6087	997.6087	0.0301	0.0288	1,006.932	0	
Total	0.4378	2.3276	3.9790	0.0184	1.5550	0.0180	1.5730	0.4192	0.0170	0.4362	1,922.113	1,922.113	0.0326	0.1686	1,973.181	2	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	

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	0.0467	2.0482	0.6397	8.5600e-003	0.2981	0.0121	0.3103	0.0858	0.0116	0.0974	904.6294	904.6294	2.4400e-003	0.1369		945.4727	
Worker	0.3661	0.2358	3.1366	9.3400e-003	1.2569	5.4900e-003	1.2624	0.3334	5.0500e-003	0.3384	973.2452	973.2452	0.0274	0.0270		981.9788	
Total	0.4128	2.2840	3.7763	0.0179	1.5550	0.0176	1.5726	0.4192	0.0166	0.4359	1,877.874 6	1,877.874 6	0.0299	0.1639		1,927.451 5	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	

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	0.0467	2.0482	0.6397	8.5600e-003	0.2981	0.0121	0.3103	0.0858	0.0116	0.0974		904.6294	904.6294	2.4400e-003	0.1369	945.4727	
Worker	0.3661	0.2358	3.1366	9.3400e-003	1.2569	5.4900e-003	1.2624	0.3334	5.0500e-003	0.3384		973.2452	973.2452	0.0274	0.0270	981.9788	
Total	0.4128	2.2840	3.7763	0.0179	1.5550	0.0176	1.5726	0.4192	0.0166	0.4359		1,877.874	1,877.874	0.0299	0.1639	1,927.451	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	2.6055	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	4,762.794 1	4,762.794 1	1.3218			4,795.839 6	
Paving	0.0790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	2.6845	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	4,762.794 1	4,762.794 1	1.3218			4,795.839 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.2075	0.1453	1.7658	4.9700e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015		508.3143	508.3143	0.0164	0.0153	513.2825	
Total	0.2075	0.1453	1.7658	4.9700e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015		508.3143	508.3143	0.0164	0.0153	513.2825	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 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	2.6055	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	0.0000	4,762.794	1	4,762.794	1	1.3218		4,795.839	6
Paving	0.0790					0.0000	0.0000		0.0000	0.0000				0.0000			0.0000		
Total	2.6845	24.5765	30.8282	0.0498		1.2099	1.2099		1.1278	1.1278	0.0000	4,762.794	1	4,762.794	1	1.3218		4,795.839	6

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	0.2075	0.1453	1.7658	4.9700e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	508.3143	508.3143	0.0164	0.0153	513.2825		
Total	0.2075	0.1453	1.7658	4.9700e-003	1.1669	2.9900e-003	1.1699	0.2988	2.7600e-003	0.3015	508.3143	508.3143	0.0164	0.0153	513.2825		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.1898						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
Total	4.3814	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0846	0.0593	0.7203	2.0300e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			207.3387	207.3387	6.7000e-003	6.2400e-003	209.3652
Total	0.0846	0.0593	0.7203	2.0300e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			207.3387	207.3387	6.7000e-003	6.2400e-003	209.3652

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	4.1898						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
Total	4.3814	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

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	0.0846	0.0593	0.7203	2.0300e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			207.3387	207.3387	6.7000e-003	6.2400e-003	209.3652
Total	0.0846	0.0593	0.7203	2.0300e-003	0.2547	1.2200e-003	0.2559	0.0676	1.1200e-003	0.0687			207.3387	207.3387	6.7000e-003	6.2400e-003	209.3652

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.3705	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0791	0.0530	0.6750	1.9600e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			202.1299	202.1299	6.1000e-003	5.8300e-003	204.0189
Total	0.0791	0.0530	0.6750	1.9600e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			202.1299	202.1299	6.1000e-003	5.8300e-003	204.0189

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.3705	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0791	0.0530	0.6750	1.9600e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			202.1299	202.1299	6.1000e-003	5.8300e-003	204.0189
Total	0.0791	0.0530	0.6750	1.9600e-003	0.2547	1.1600e-003	0.2558	0.0676	1.0700e-003	0.0686			202.1299	202.1299	6.1000e-003	5.8300e-003	204.0189

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.3606	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0742	0.0478	0.6355	1.8900e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			197.1935	197.1935	5.5600e-003	5.4700e-003	198.9630
Total	0.0742	0.0478	0.6355	1.8900e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			197.1935	197.1935	5.5600e-003	5.4700e-003	198.9630

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	4.1898						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.3606	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0742	0.0478	0.6355	1.8900e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			197.1935	197.1935	5.5600e-003	5.4700e-003	198.9630
Total	0.0742	0.0478	0.6355	1.8900e-003	0.2547	1.1100e-003	0.2558	0.0676	1.0200e-003	0.0686			197.1935	197.1935	5.5600e-003	5.4700e-003	198.9630

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	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	3.0084	4.4330	29.3242	0.0525	5.6899	0.0477	5.7375	1.5187	0.0447	1.5634	5,465.735 9	5,465.735 9	0.3975	0.3150	5,569.544 2	
Unmitigated	3.1608	4.7849	31.4951	0.0577	6.2798	0.0521	6.3319	1.6761	0.0489	1.7250	6,011.510 9	6,011.510 9	0.4205	0.3396	6,123.230 1	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday		
Apartments Mid Rise	533.12	481.18	400.82	1,451,750	1,315,383
Office Park	394.76	58.48	27.10	737,325	668,066
Parking Lot	0.00	0.00	0.00		
Health Club	263.44	166.96	213.84	419,083	379,717
Total	1,191.32	706.62	641.76	2,608,158	2,363,166

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297	0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	
NaturalGas Unmitigated	0.0430	0.3761	0.2194	2.3500e-003		0.0297	0.0297	0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2528.19	0.0273	0.2330	0.0991	1.4900e-003		0.0188	0.0188		0.0188	0.0188	297.4345	297.4345	5.7000e-003	5.4500e-003	299.2020		
Health Club	404.384	4.3600e-003	0.0397	0.0333	2.4000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	47.5745	47.5745	9.1000e-004	8.7000e-004	47.8573		
Office Park	1055.26	0.0114	0.1035	0.0869	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	124.1487	124.1487	2.3800e-003	2.2800e-003	124.8864		
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		
Total		0.0430	0.3761	0.2193	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	2.52819	0.0273	0.2330	0.0991	1.4900e-003		0.0188	0.0188		0.0188	0.0188	297.4345	297.4345	5.7000e-003	5.4500e-003	299.2020		
Health Club	0.404384	4.3600e-003	0.0397	0.0333	2.4000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	47.5745	47.5745	9.1000e-004	8.7000e-004	47.8573		
Office Park	1.05526	0.0114	0.1035	0.0869	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	124.1487	124.1487	2.3800e-003	2.2800e-003	124.8864		
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		
Total		0.0430	0.3761	0.2193	2.3500e-003		0.0297	0.0297		0.0297	0.0297		469.1577	469.1577	8.9900e-003	8.6000e-003	471.9457	

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	3.9656	1.5565	8.7454	9.7700e-003		0.1633	0.1633		0.1633	0.1633	0.0000	1,882.4204	1,882.4204	0.0500	0.0342	1,893.8744	
Unmitigated	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.6296	1,156.0674	3,877.6970	2.5258	0.2141	4,004.6371	

6.2 Area by SubCategoryUnmitigated

	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	0.4592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.0886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	149.9787	2.9289	185.1324	0.3354		25.9573	25.9573		25.9573	25.9573	2,721.6296	1,141.4118	3,863.0414	2.5116	0.2141	3,989.6266	
Landscaping	0.2467	0.0935	8.1229	4.3000e-004		0.0450	0.0450		0.0450	0.0450			14.6557	14.6557	0.0142		15.0105
Total	153.7731	3.0224	193.2553	0.3358		26.0023	26.0023		26.0023	26.0023	2,721.6296	1,156.0674	3,877.6970	2.5258	0.2141	4,004.6371	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.4592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1712	1.4631	0.6226	9.3400e-003		0.1183	0.1183		0.1183	0.1183	0.0000	1,867.7647	1,867.7647	0.0358	0.0342	1,878.8639
Landscaping	0.2467	0.0935	8.1229	4.3000e-004		0.0450	0.0450		0.0450	0.0450		14.6557	14.6557	0.0142		15.0105
Total	3.9656	1.5565	8.7454	9.7700e-003		0.1633	0.1633		0.1633	0.1633	0.0000	1,882.4204	1,882.4204	0.0500	0.0342	1,893.8744

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	2	No Change	0.00
Excavators	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	6	No Change	0.00
Generator Sets	Diesel	No Change	0	2	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	13	No Change	0.00
Welders	Diesel	No Change	0	2	No Change	0.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10651E+001	5.10651E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	7.61600E-002	8.06570E-001	4.06590E-001	1.31000E-003	3.37200E-002	3.10200E-002	0.00000E+000	1.15331E+002	1.15331E+002	3.73000E-002	0.00000E+000	1.16263E+002
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04160E+001	2.04160E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	7.45700E-002	6.99350E-001	8.89270E-001	1.19000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.04747E+002	1.04747E+002	3.38800E-002	0.00000E+000	1.05594E+002
Generator Sets	7.50000E-002	6.69080E-001	9.52870E-001	1.71000E-003	2.95600E-002	2.95600E-002	0.00000E+000	1.46954E+002	1.46954E+002	6.02000E-003	0.00000E+000	1.47105E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63734E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95560E+001	4.95560E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32898E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50037E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/ Backhoes	1.48450E-001	1.50217E+000	2.22817E+000	3.11000E-003	7.23000E-002	6.65200E-002	0.00000E+000	2.72960E+002	2.72960E+002	8.82800E-002	0.00000E+000	2.75167E+002
Welders	6.21400E-002	3.60560E-001	4.33200E-001	6.60000E-004	1.26800E-002	1.26800E-002	0.00000E+000	4.89374E+001	4.89374E+001	5.04000E-003	0.00000E+000	4.90635E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10650E+001	5.10650E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	7.61600E-002	8.06570E-001	4.06590E-001	1.31000E-003	3.37200E-002	3.10200E-002	0.00000E+000	1.15331E+002	1.15331E+002	3.73000E-002	0.00000E+000	1.16263E+002
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04159E+001	2.04159E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	7.45700E-002	6.99350E-001	8.89270E-001	1.19000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.04747E+002	1.04747E+002	3.38800E-002	0.00000E+000	1.05594E+002
Generator Sets	7.50000E-002	6.69080E-001	9.52870E-001	1.71000E-003	2.95600E-002	2.95600E-002	0.00000E+000	1.46954E+002	1.46954E+002	6.02000E-003	0.00000E+000	1.47104E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63733E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95559E+001	4.95559E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32897E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50036E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/Buckets	1.48450E-001	1.50217E+000	2.22817E+000	3.11000E-003	7.23000E-002	6.65200E-002	0.00000E+000	2.72959E+002	2.72959E+002	8.82800E-002	0.00000E+000	2.75166E+002
Welders	6.21400E-002	3.60560E-001	4.33200E-001	6.60000E-004	1.26800E-002	1.26800E-002	0.00000E+000	4.89373E+001	4.89373E+001	5.04000E-003	0.00000E+000	4.90634E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.17497E-006	1.17497E-006	0.00000E+000	0.00000E+000	1.17332E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21390E-006	1.21390E-006	0.00000E+000	0.00000E+000	1.20416E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.46944E-006	1.46944E-006	0.00000E+000	0.00000E+000	9.71768E-007
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14562E-006	1.14562E-006	0.00000E+000	0.00000E+000	1.23113E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22487E-006	1.22487E-006	0.00000E+000	0.00000E+000	1.15564E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14671E-006	1.14671E-006	0.00000E+000	0.00000E+000	1.13751E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21075E-006	1.21075E-006	0.00000E+000	0.00000E+000	1.20104E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16435E-006	1.16435E-006	0.00000E+000	0.00000E+000	1.15501E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08449E-006	1.08449E-006	0.00000E+000	0.00000E+000	1.07579E-006
Rubber Tired Dozers	0.00000E+000	6.66502E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18477E-006	1.18477E-006	0.00000E+000	0.00000E+000	1.17526E-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	1.20897E-006	1.20897E-006	0.00000E+000	0.00000E+000	1.16293E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02171E-006	1.02171E-006	0.00000E+000	0.00000E+000	1.01909E-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		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.05	0.01	0.05	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	0.30	0.08	0.30	0.08	0.00	0.00
Grading	Fugitive Dust	0.32	0.15	0.32	0.15	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.07	0.02	0.07	0.02	0.00	0.00
Site Preparation	Fugitive Dust	0.96	0.46	0.96	0.46	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Hearth	99.89	50.05	99.66	97.24	99.54	99.54	100.00	-63.64	51.65	98.58	84.05	52.91
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	4.54	7.40	7.17	9.09	8.54	8.59	0.00	9.09	9.09	5.76	7.31	9.06
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.73	3.95	0.02	0.00	1.96
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 3
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.20	0.48		
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	0.08	0.60		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.08			

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Yes	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	0.02			
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	0.09			
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	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.09			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	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	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	:Install High Efficiency Lighting		
No	:On-site Renewable		

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	0.00	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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Mixed Use**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential**

Placer County APCD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	435.00	Space	3.91	174,000.00	0
Apartments Mid Rise	196.00	Dwelling Unit	2.30	196,000.00	561
Health Club	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation -

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LotAcreage	5.16	2.30

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4461	150.4461	0.0472	1.4000e-004	151.6689
2023	0.3318	1.8917	2.1725	4.2000e-003	0.4851	0.0858	0.5709	0.1950	0.0794	0.2743	0.0000	372.5687	372.5687	0.0931	4.8900e-003	376.3523
2024	1.1725	2.2871	3.1925	7.5200e-003	0.3171	0.0915	0.4086	0.0854	0.0866	0.1720	0.0000	676.7041	676.7041	0.0798	0.0252	686.1920
2025	0.4345	0.7500	1.1028	2.6000e-003	0.1119	0.0277	0.1396	0.0301	0.0262	0.0563	0.0000	234.8924	234.8924	0.0275	8.5000e-003	238.1129
Maximum	1.1725	2.2871	3.1925	7.5200e-003	0.8636	0.0915	0.9338	0.4414	0.0866	0.5059	0.0000	676.7041	676.7041	0.0931	0.0252	686.1920

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4459	150.4459	0.0472	1.4000e-004	151.6687
2023	0.3318	1.8917	2.1725	4.2000e-003	0.4851	0.0858	0.5709	0.1950	0.0794	0.2743	0.0000	372.5683	372.5683	0.0931	4.8900e-003	376.3520
2024	1.1725	2.2871	3.1925	7.5200e-003	0.3171	0.0915	0.4086	0.0854	0.0866	0.1720	0.0000	676.7037	676.7037	0.0798	0.0252	686.1916
2025	0.4345	0.7500	1.1028	2.6000e-003	0.1119	0.0277	0.1396	0.0301	0.0262	0.0563	0.0000	234.8923	234.8923	0.0275	8.5000e-003	238.1128
Maximum	1.1725	2.2871	3.1925	7.5200e-003	0.8636	0.0915	0.9338	0.4414	0.0866	0.5059	0.0000	676.7037	676.7037	0.0931	0.0252	686.1916

	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	9-1-2022	11-30-2022	1.1812	1.1812
2	12-1-2022	2-28-2023	0.8329	0.8329
3	3-1-2023	5-31-2023	0.5852	0.5852
4	6-1-2023	8-31-2023	0.3738	0.3738
5	9-1-2023	11-30-2023	0.5394	0.5394
6	12-1-2023	2-29-2024	0.8765	0.8765
7	3-1-2024	5-31-2024	0.8676	0.8676
8	6-1-2024	8-31-2024	0.8653	0.8653

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	9-1-2024	11-30-2024	0.8604	0.8604
10	12-1-2024	2-28-2025	0.8264	0.8264
11	3-1-2025	5-31-2025	0.6515	0.6515
		Highest	1.1812	1.1812

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	13.3096	0.2570	16.6389	0.0276		2.1366	2.1366		2.1366	2.1366	202.4597	87.2939	289.7536	0.1891	0.0159	299.2276	
Energy	0.0114	0.0986	0.0476	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	200.9931	200.9931	0.0164	3.8000e-003	202.5337	
Mobile	0.7272	1.0245	6.6431	0.0132	1.3571	0.0118	1.3689	0.3636	0.0110	0.3746	0.0000	1,248.7379	1,248.7379	0.0799	0.0669	1,270.6642	
Waste						0.0000	0.0000		0.0000	0.0000	35.6574	0.0000	35.6574	2.1073	0.0000	88.3397	
Water						0.0000	0.0000		0.0000	0.0000	4.3328	9.6207	13.9535	0.4466	0.0107	28.3057	
Total	14.0482	1.3800	23.3296	0.0414	1.3571	2.1562	3.5134	0.3636	2.1555	2.5191	242.4499	1,546.6456	1,789.0956	2.8393	0.0973	1,889.0709	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	1.0254	0.1368	1.5091	8.4000e-004		0.0178	0.0178		0.0178	0.0178	0.0000	141.3267	141.3267	4.9600e-003	2.5500e-003	142.2098	
Energy	0.0114	0.0986	0.0476	6.2000e-004	7.9100e-003	7.9100e-003	7.9100e-003	7.9100e-003	7.9100e-003	0.0000	200.9931	200.9931	0.0164	3.8000e-003	202.5337		
Mobile	0.6941	0.9485	6.1661	0.0120	1.2296	0.0107	1.2404	0.3294	0.0101	0.3395	0.0000	1,135.2170	1,135.2170	0.0753	0.0620	1,155.5692	
Waste						0.0000	0.0000		0.0000	0.0000	35.6574	0.0000	35.6574	2.1073	0.0000	88.3397	
Water						0.0000	0.0000		0.0000	0.0000	4.3328	9.0640	13.3969	0.4465	0.0107	27.7435	
Total	1.7309	1.1839	7.7228	0.0135	1.2296	0.0364	1.2661	0.3294	0.0358	0.3652	39.9902	1,486.6008	1,526.5911	2.6504	0.0790	1,616.3959	

	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	87.68	14.21	66.90	67.46	9.39	98.31	63.96	9.39	98.34	85.50	83.51	3.88	14.67	6.65	18.79	14.43

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	5/11/2023	10/25/2023	5	120
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400

Acres of Grading (Site Preparation Phase): 135**Acres of Grading (Grading Phase): 90****Acres of Paving: 3.91****Residential Indoor: 396,900; Residential Outdoor: 132,300; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 10,440 (Architectural Coating – sqft)****OffRoad Equipment**

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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	221.00	52.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375	
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

3.2 Site Preparation - 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					
Fugitive Dust					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

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					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

3.3 Grading - 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					
Fugitive Dust					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****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	1.4000e-003	0.0564	0.0179	2.5000e-004	7.9800e-003	3.4000e-004	8.3200e-003	2.3100e-003	3.2000e-004	2.6400e-003	0.0000	23.7314	23.7314	7.0000e-005	3.5900e-003	24.8025	
Worker	0.0134	8.9900e-003	0.1182	3.5000e-004	0.0408	2.0000e-004	0.0410	0.0109	1.9000e-004	0.0110	0.0000	32.2059	32.2059	9.4000e-004	8.9000e-004	32.4934	
Total	0.0148	0.0654	0.1361	6.0000e-004	0.0488	5.4000e-004	0.0493	0.0132	5.1000e-004	0.0137	0.0000	55.9374	55.9374	1.0100e-003	4.4800e-003	57.2959	

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****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	1.4000e-003	0.0564	0.0179	2.5000e-004	7.9800e-003	3.4000e-004	8.3200e-003	2.3100e-003	3.2000e-004	2.6400e-003	0.0000	23.7314	23.7314	7.0000e-005	3.5900e-003	24.8025	
Worker	0.0134	8.9900e-003	0.1182	3.5000e-004	0.0408	2.0000e-004	0.0410	0.0109	1.9000e-004	0.0110	0.0000	32.2059	32.2059	9.4000e-004	8.9000e-004	32.4934	
Total	0.0148	0.0654	0.1361	6.0000e-004	0.0488	5.4000e-004	0.0493	0.0132	5.1000e-004	0.0137	0.0000	55.9374	55.9374	1.0100e-003	4.4800e-003	57.2959	

3.4 Building Construction - 2024**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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	7.6700e-003	0.3126	0.0983	1.3500e-003	0.0445	1.8900e-003	0.0464	0.0129	1.8100e-003	0.0147	0.0000	129.6762	129.6762	3.7000e-004	0.0196	135.5301	
Worker	0.0698	0.0448	0.6165	1.8700e-003	0.2274	1.0900e-003	0.2284	0.0605	1.0000e-003	0.0615	0.0000	175.0136	175.0136	4.7500e-003	4.6100e-003	176.5075	
Total	0.0775	0.3574	0.7148	3.2200e-003	0.2718	2.9800e-003	0.2748	0.0734	2.8100e-003	0.0762	0.0000	304.6898	304.6898	5.1200e-003	0.0242	312.0376	

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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	7.6700e-003	0.3126	0.0983	1.3500e-003	0.0445	1.8900e-003	0.0464	0.0129	1.8100e-003	0.0147	0.0000	129.6762	129.6762	3.7000e-004	0.0196	135.5301	
Worker	0.0698	0.0448	0.6165	1.8700e-003	0.2274	1.0900e-003	0.2284	0.0605	1.0000e-003	0.0615	0.0000	175.0136	175.0136	4.7500e-003	4.6100e-003	176.5075	
Total	0.0775	0.3574	0.7148	3.2200e-003	0.2718	2.9800e-003	0.2748	0.0734	2.8100e-003	0.0762	0.0000	304.6898	304.6898	5.1200e-003	0.0242	312.0376	

3.4 Building Construction - 2025**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	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435
Total	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	2.6200e-003	0.1076	0.0337	4.6000e-004	0.0155	6.5000e-004	0.0161	4.4700e-003	6.2000e-004	5.1000e-003	0.0000	44.0709	44.0709	1.2000e-004	6.6700e-003	46.0602	
Worker	0.0227	0.0140	0.2014	6.3000e-004	0.0790	3.6000e-004	0.0793	0.0210	3.3000e-004	0.0214	0.0000	59.3004	59.3004	1.5000e-003	1.5000e-003	59.7865	
Total	0.0253	0.1217	0.2351	1.0900e-003	0.0944	1.0100e-003	0.0954	0.0255	9.5000e-004	0.0265	0.0000	103.3713	103.3713	1.6200e-003	8.1700e-003	105.8467	

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	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434
Total	0.0622	0.5674	0.7319	1.2300e-003	0.0240	0.0240	0.0240	0.0226	0.0226	0.0226	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	2.6200e-003	0.1076	0.0337	4.6000e-004	0.0155	6.5000e-004	0.0161	4.4700e-003	6.2000e-004	5.1000e-003	0.0000	44.0709	44.0709	1.2000e-004	6.6700e-003	46.0602
Worker	0.0227	0.0140	0.2014	6.3000e-004	0.0790	3.6000e-004	0.0793	0.0210	3.3000e-004	0.0214	0.0000	59.3004	59.3004	1.5000e-003	1.5000e-003	59.7865
Total	0.0253	0.1217	0.2351	1.0900e-003	0.0944	1.0100e-003	0.0954	0.0255	9.5000e-004	0.0265	0.0000	103.3713	103.3713	1.6200e-003	8.1700e-003	105.8467

3.5 Paving - 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	0.0620	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1612	120.1612	0.0389	0.0000	121.1328
Paving	5.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0671	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1612	120.1612	0.0389	0.0000	121.1328

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****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	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	
Total	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	

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	0.0620	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1611	120.1611	0.0389	0.0000	121.1326
Paving	5.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0671	0.6115	0.8751	1.3700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	120.1611	120.1611	0.0389	0.0000	121.1326

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****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	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	
Total	2.3300e-003	1.5600e-003	0.0205	6.0000e-005	7.0700e-003	4.0000e-005	7.1000e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.5811	5.5811	1.6000e-004	1.5000e-004	5.6309	

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	0.1221					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.1257	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	2.1000e-003	1.4100e-003	0.0185	5.0000e-005	6.3900e-003	3.0000e-005	6.4200e-003	1.7000e-003	3.0000e-005	1.7300e-003	0.0000	5.0478	5.0478	1.5000e-004	1.4000e-004	5.0928	
Total	2.1000e-003	1.4100e-003	0.0185	5.0000e-005	6.3900e-003	3.0000e-005	6.4200e-003	1.7000e-003	3.0000e-005	1.7300e-003	0.0000	5.0478	5.0478	1.5000e-004	1.4000e-004	5.0928	

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	0.1221					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.1257	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	2.1000e-003	1.4100e-003	0.0185	5.0000e-005	6.3900e-003	3.0000e-005	6.4200e-003	1.7000e-003	3.0000e-005	1.7300e-003	0.0000	5.0478	5.0478	1.5000e-004	1.4000e-004	5.0928	
Total	2.1000e-003	1.4100e-003	0.0185	5.0000e-005	6.3900e-003	3.0000e-005	6.4200e-003	1.7000e-003	3.0000e-005	1.7300e-003	0.0000	5.0478	5.0478	1.5000e-004	1.4000e-004	5.0928	

3.6 Architectural Coating - 2024**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	0.8647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.8884	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	0.0139	8.9200e-003	0.1227	3.7000e-004	0.0453	2.2000e-004	0.0455	0.0121	2.0000e-004	0.0123	0.0000	34.8443	34.8443	9.5000e-004	9.2000e-004	35.1418	
Total	0.0139	8.9200e-003	0.1227	3.7000e-004	0.0453	2.2000e-004	0.0455	0.0121	2.0000e-004	0.0123	0.0000	34.8443	34.8443	9.5000e-004	9.2000e-004	35.1418	

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	0.8647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.8884	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	0.0139	8.9200e-003	0.1227	3.7000e-004	0.0453	2.2000e-004	0.0455	0.0121	2.0000e-004	0.0123	0.0000	34.8443	34.8443	9.5000e-004	9.2000e-004	35.1418	
Total	0.0139	8.9200e-003	0.1227	3.7000e-004	0.0453	2.2000e-004	0.0455	0.0121	2.0000e-004	0.0123	0.0000	34.8443	34.8443	9.5000e-004	9.2000e-004	35.1418	

3.6 Architectural Coating - 2025**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	0.3333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.3420	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	5.0200e-003	3.1000e-003	0.0445	1.4000e-004	0.0175	8.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7200e-003	0.0000	13.1038	13.1038	3.3000e-004	3.3000e-004	13.2112	
Total	5.0200e-003	3.1000e-003	0.0445	1.4000e-004	0.0175	8.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7200e-003	0.0000	13.1038	13.1038	3.3000e-004	3.3000e-004	13.2112	

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	0.3333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.3420	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	5.0200e-003	3.1000e-003	0.0445	1.4000e-004	0.0175	8.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7200e-003	0.0000	13.1038	13.1038	3.3000e-004	3.3000e-004	13.2112	
Total	5.0200e-003	3.1000e-003	0.0445	1.4000e-004	0.0175	8.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7200e-003	0.0000	13.1038	13.1038	3.3000e-004	3.3000e-004	13.2112	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.6941	0.9485	6.1661	0.0120	1.2296	0.0107	1.2404	0.3294	0.0101	0.3395	0.0000	1,135.217	1,135.217	0.0753	0.0620	1,155.569	
Unmitigated	0.7272	1.0245	6.6431	0.0132	1.3571	0.0118	1.3689	0.3636	0.0110	0.3746	0.0000	1,248.737	1,248.737	0.0799	0.0669	1,270.664	

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	1,066.24	962.36	801.64	2,903,500	2,630,765		
Parking Lot	0.00	0.00	0.00				
Health Club	493.95	313.05	400.95	785,780	711,969		
Total	1,560.19	1,275.41	1,202.59	3,689,280	3,342,734		

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
-------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	87.7374	87.7374	0.0142	1.7200e-003	88.6050	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	87.7374	87.7374	0.0142	1.7200e-003	88.6050	
NaturalGas Mitigated	0.0114	0.0986	0.0476	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	113.2557	113.2557	2.1700e-003	2.0800e-003	113.9287	
NaturalGas Unmitigated	0.0114	0.0986	0.0476	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	113.2557	113.2557	2.1700e-003	2.0800e-003	113.9287	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	1.84558e+006	9.9500e-003	0.0850	0.0362	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.4872	98.4872	1.8900e-003	1.8100e-003	99.0725
Health Club	276750	1.4900e-003	0.0136	0.0114	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7684	14.7684	2.8000e-004	2.7000e-004	14.8562
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
Total		0.0114	0.0986	0.0476	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	113.2557	113.2557	2.1700e-003	2.0800e-003	113.9287

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	1.84558e+006	9.9500e-003	0.0850	0.0362	5.4000e-004		6.8800e-003	6.8800e-003	6.8800e-003	6.8800e-003	0.0000	98.4872	98.4872	1.8900e-003	1.8100e-003	99.0725	
Health Club	276750	1.4900e-003	0.0136	0.0114	8.0000e-005		1.0300e-003	1.0300e-003	1.0300e-003	1.0300e-003	0.0000	14.7684	14.7684	2.8000e-004	2.7000e-004	14.8562	
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	
Total		0.0114	0.0986	0.0476	6.2000e-004		7.9100e-003	7.9100e-003	7.9100e-003	7.9100e-003	0.0000	113.2557	113.2557	2.1700e-003	2.0800e-003	113.9287	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	763169	70.6113	0.0114	1.3800e-003	71.3095
Health Club	124200	11.4915	1.8600e-003	2.3000e-004	11.6051
Parking Lot	60900	5.6347	9.1000e-004	1.1000e-004	5.6904
Total		87.7374	0.0142	1.7200e-003	88.6050

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	763169	70.6113	0.0114	1.3800e-003	71.3095
Health Club	124200	11.4915	1.8600e-003	2.3000e-004	11.6051
Parking Lot	60900	5.6347	9.1000e-004	1.1000e-004	5.6904
Total		87.7374	0.0142	1.7200e-003	88.6050

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	1.0254	0.1368	1.5091	8.4000e-004		0.0178	0.0178		0.0178	0.0178	0.0000	141.3267	141.3267	4.9600e-003	2.5500e-003	142.2098	
Unmitigated	13.3096	0.2570	16.6389	0.0276		2.1366	2.1366		2.1366	2.1366	202.4597	87.2939	289.7536	0.1891	0.0159	299.2276	

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	0.1320					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	0.8353					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	12.2983	0.2402	15.1809	0.0275		2.1285	2.1285		2.1285	2.1285	202.4597	84.9087	287.3684	0.1868	0.0159	296.7849	
Landscaping	0.0440	0.0168	1.4581	8.0000e-005		8.0800e-003	8.0800e-003		8.0800e-003	8.0800e-003	0.0000	2.3853	2.3853	2.3000e-003	0.0000	2.4427	
Total	13.3096	0.2570	16.6389	0.0276		2.1366	2.1366		2.1366	2.1366	202.4597	87.2939	289.7536	0.1891	0.0159	299.2276	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1320					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8353					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0140	0.1200	0.0511	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	138.9414	138.9414	2.6600e-003	2.5500e-003	139.7671
Landscaping	0.0440	0.0168	1.4581	8.0000e-005		8.0800e-003	8.0800e-003		8.0800e-003	8.0800e-003	0.0000	2.3853	2.3853	2.3000e-003	0.0000	2.4427
Total	1.0254	0.1368	1.5091	8.5000e-004		0.0178	0.0178		0.0178	0.0178	0.0000	141.3267	141.3267	4.9600e-003	2.5500e-003	142.2098

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.3969	0.4465	0.0107	27.7435
Unmitigated	13.9535	0.4466	0.0107	28.3057

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.7702 / 8.05077	13.0518	0.4176	0.0100	26.4717
Health Club	0.887147 / 0.543735	0.9017	0.0290	6.9000e- 004	1.8339
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.9535	0.4466	0.0107	28.3057

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.7702 / 6.44062	12.5304	0.4175	9.9900e- 003	25.9452
Health Club	0.887147 / 0.434988	0.8665	0.0290	6.9000e- 004	1.7984
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.3969	0.4465	0.0107	27.7435

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Category/Year**

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	35.6574	2.1073	0.0000	88.3397
Unmitigated	35.6574	2.1073	0.0000	88.3397

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use tons MT/yr					
Apartments Mid Rise	90.16	18.3017	1.0816	0.0000	45.3416
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		35.6574	2.1073	0.0000	88.3397

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	90.16	18.3017	1.0816	0.0000	45.3416
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		35.6574	2.1073	0.0000	88.3397

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
----------------	--------

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential**

Placer County APCD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	435.00	Space	3.91	174,000.00	0
Apartments Mid Rise	196.00	Dwelling Unit	2.30	196,000.00	561
Health Club	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation -

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LotAcreage	5.16	2.30

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.224 9	3,823.224 9	1.1958	3.3600e-003	3,854.122 1	
2023	9.2047	27.5518	25.5563	0.0597	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,915.396 7	5,915.396 7	1.1959	0.2142	5,996.129 2	
2024	9.0390	17.2968	25.0272	0.0588	2.5293	0.6986	3.2278	0.6789	0.6607	1.3396	0.0000	5,844.063 2	5,844.063 2	0.6675	0.2079	5,922.697 5	
2025	8.8789	16.1938	24.5551	0.0580	2.5292	0.6028	3.1321	0.6789	0.5702	1.2490	0.0000	5,774.173 3	5,774.173 3	0.6594	0.2017	5,850.771 2	
Maximum	9.2047	33.1146	25.5563	0.0597	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,915.396 7	5,915.396 7	1.1959	0.2142	5,996.129 2	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2270	33.1146	20.1916	0.0394	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,823.224	3,823.224	1.1958	3.3600e-003	3,854.122	
2023	9.2047	27.5518	25.5563	0.0597	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,915.396	5,915.396	1.1959	0.2142	5,996.122	
2024	9.0390	17.2968	25.0272	0.0588	2.5293	0.6986	3.2278	0.6789	0.6607	1.3396	0.0000	5,844.063	5,844.063	0.6675	0.2079	5,922.695	
2025	8.8789	16.1938	24.5551	0.0580	2.5292	0.6028	3.1321	0.6789	0.5702	1.2490	0.0000	5,774.173	5,774.173	0.6594	0.2017	5,850.772	
Maximum	9.2047	33.1146	25.5563	0.0597	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,915.396	5,915.396	1.1959	0.2142	5,996.122	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259 2	2,312.038 3	7,755.297 5	5.0514	0.4282	8,009.171 3	
Energy	0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433		684.0713	684.0713	0.0131	0.0125	688.1364	
Mobile	5.0297	5.4689	39.3443	0.0817	8.2578	0.0685	8.3263	2.2040	0.0643	2.2683		8,503.619 1	8,503.619 1	0.4750	0.4099	8,637.632 0	
Total	310.8395	12.0535	426.0706	0.7567	8.2578	52.1163	60.3741	2.2040	52.1121	54.3161	5,443.259 2	11,499.72 86	16,942.98 78	5.5394	0.8506	17,334.93 96	

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	6.1321	3.1127	17.4459	0.0195		0.3264	0.3264		0.3264	0.3264	0.0000	3,764.744 2	3,764.744 2	0.0997	0.0685	3,787.646 0	
Energy	0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433		684.0713	684.0713	0.0131	0.0125	688.1364	
Mobile	4.8429	5.0664	36.3395	0.0742	7.4821	0.0626	7.5447	1.9970	0.0587	2.0558		7,728.780 1	7,728.780 1	0.4455	0.3798	7,853.095 1	
Total	11.0377	8.7194	54.0462	0.0972	7.4821	0.4323	7.9144	1.9970	0.4285	2.4255	0.0000	12,177.59 55	12,177.59 55	0.5584	0.4608	12,328.87 75	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	96.45	27.66	87.32	87.16	9.39	99.17	86.89	9.39	99.18	95.53	100.00	-5.89	28.13	89.92	45.82	28.88

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
4	Paving	Paving	5/11/2023	10/25/2023	5	120	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 3.91

Residential Indoor: 396,900; Residential Outdoor: 132,300; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 10,440 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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
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
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	221.00	52.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566	
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566
Total	0.0568	0.0311	0.4938	1.3500e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			137.1631	137.1631	3.6500e-003	3.3600e-003	138.2566

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956
Total	0.0528	0.0276	0.4586	1.3100e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			133.5804	133.5804	3.3100e-003	3.1300e-003	134.5956

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.691 0	2,872.691 0	0.9291			2,895.918 2
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377		2,872.691 0	2,872.691 0	0.9291			2,895.918 2

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2,555.209	0.6079		2,570.406	
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209	2,555.209	0.6079		2,570.406	
												9	9			1	

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	0.0619	2.2856	0.7492	0.0105	0.3524	0.0144	0.3668	0.1015	0.0138	0.1152		1,112.138	1,112.138	3.2600e-003	0.1681	1,162.308	
Worker	0.6486	0.3389	5.6310	0.0160	1.8155	8.7100e-003	1.8242	0.4816	8.0200e-003	0.4896		1,640.070	1,640.070	0.0406	0.0384	1,652.534	
Total	0.7104	2.6245	6.3801	0.0266	2.1678	0.0231	2.1909	0.5830	0.0218	0.6048		2,752.208	2,752.208	0.0438	0.2065	2,814.842	
												9	9			7	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	
Total	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	

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	0.0619	2.2856	0.7492	0.0105	0.3524	0.0144	0.3668	0.1015	0.0138	0.1152		1,112.138 5	1,112.138 5	3.2600e-003	0.1681	1,162.308 1	
Worker	0.6486	0.3389	5.6310	0.0160	1.8155	8.7100e-003	1.8242	0.4816	8.0200e-003	0.4896		1,640.070 4	1,640.070 4	0.0406	0.0384	1,652.534 7	
Total	0.7104	2.6245	6.3801	0.0266	2.1678	0.0231	2.1909	0.5830	0.0218	0.6048		2,752.208 9	2,752.208 9	0.0438	0.2065	2,814.842 7	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698 9	2,555.698 9	0.6044			2,570.807 7	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698 9	2,555.698 9	0.6044			2,570.807 7	

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	0.0607	2.2707	0.7385	0.0103	0.3524	0.0144	0.3667	0.1015	0.0138	0.1152	1,090.142 6	1,090.142 6	3.1600e-003	0.1648	1,139.334 5		
Worker	0.6049	0.3032	5.2638	0.0155	1.8155	8.2900e-003	1.8238	0.4816	7.6300e-003	0.4892	1,598.516 9	1,598.516 9	0.0368	0.0359	1,610.140 2		
Total	0.6656	2.5739	6.0023	0.0258	2.1678	0.0227	2.1905	0.5830	0.0214	0.6044	2,688.659 5	2,688.659 5	0.0399	0.2007	2,749.474 7		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807

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	0.0607	2.2707	0.7385	0.0103	0.3524	0.0144	0.3667	0.1015	0.0138	0.1152		1,090.142	1,090.142	3.1600e-003	0.1648	1,139.334
Worker	0.6049	0.3032	5.2638	0.0155	1.8155	8.2900e-003	1.8238	0.4816	7.6300e-003	0.4892		1,598.516	1,598.516	0.0368	0.0359	1,610.140
Total	0.6656	2.5739	6.0023	0.0258	2.1678	0.0227	2.1905	0.5830	0.0214	0.6044		2,688.659	2,688.659	0.0399	0.2007	2,749.474

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	

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	0.0597	2.2507	0.7296	0.0101	0.3523	0.0143	0.3666	0.1014	0.0136	0.1151	1,066.664 4	1,066.664 4	3.0800e-003	0.1613	1,114.794 4		
Worker	0.5673	0.2735	4.9468	0.0150	1.8155	7.9300e-003	1.8234	0.4816	7.3000e-003	0.4888	1,559.164 6	1,559.164 6	0.0334	0.0338	1,570.056 4		
Total	0.6270	2.5242	5.6764	0.0251	2.1678	0.0222	2.1900	0.5830	0.0209	0.6039	2,625.829 0	2,625.829 0	0.0365	0.1950	2,684.850 8		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.474	0.6010		2,571.498	

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	0.0597	2.2507	0.7296	0.0101	0.3523	0.0143	0.3666	0.1014	0.0136	0.1151	1,066.664	1,066.664	3.0800e-003	0.1613	1,114.794		
Worker	0.5673	0.2735	4.9468	0.0150	1.8155	7.9300e-003	1.8234	0.4816	7.3000e-003	0.4888	1,559.164	1,559.164	0.0334	0.0338	1,570.056		
Total	0.6270	2.5242	5.6764	0.0251	2.1678	0.0222	2.1900	0.5830	0.0209	0.6039	2,625.829	2,625.829	0.0365	0.1950	2,684.850		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	
Paving	0.0854					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000	
Total	1.1181	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140			2,225.433 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
Paving	0.0854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.1181	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
																6	

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	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	
Total	0.0440	0.0230	0.3822	1.0900e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		111.3170	111.3170	2.7500e-003	2.6100e-003	112.1630	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.6007						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
Total	6.7924	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708	281.4481	281.4481	0.0168		281.8690

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	0.0000	0.0000	0.0000	0.0000	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	0.1291	0.0675	1.1211	3.1900e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975	326.5299	326.5299	8.0800e-003	7.6500e-003	329.0114	
Total	0.1291	0.0675	1.1211	3.1900e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975	326.5299	326.5299	8.0800e-003	7.6500e-003	329.0114	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.6007						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
Total	6.7924	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

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	0.1291	0.0675	1.1211	3.1900e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			326.5299	326.5299	8.0800e-003	7.6500e-003	329.0114
Total	0.1291	0.0675	1.1211	3.1900e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			326.5299	326.5299	8.0800e-003	7.6500e-003	329.0114

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	281.4481	281.4481	0.0159		281.8443
Total	6.7815	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	281.4481	281.4481	0.0159		281.8443

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	0.0000	0.0000	0.0000	0.0000	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	0.1204	0.0604	1.0480	3.0900e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974	318.2568	318.2568	7.3200e-003	7.1500e-003	320.5709	
Total	0.1204	0.0604	1.0480	3.0900e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974	318.2568	318.2568	7.3200e-003	7.1500e-003	320.5709	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.7815	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.1204	0.0604	1.0480	3.0900e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			318.2568	318.2568	7.3200e-003	7.1500e-003	320.5709
Total	0.1204	0.0604	1.0480	3.0900e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			318.2568	318.2568	7.3200e-003	7.1500e-003	320.5709

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.7716	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.1130	0.0545	0.9849	2.9800e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			310.4219	310.4219	6.6500e-003	6.7200e-003	312.5904
Total	0.1130	0.0545	0.9849	2.9800e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			310.4219	310.4219	6.6500e-003	6.7200e-003	312.5904

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.7716	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.1130	0.0545	0.9849	2.9800e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			310.4219	310.4219	6.6500e-003	6.7200e-003	312.5904
Total	0.1130	0.0545	0.9849	2.9800e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			310.4219	310.4219	6.6500e-003	6.7200e-003	312.5904

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	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	4.8429	5.0664	36.3395	0.0742	7.4821	0.0626	7.5447	1.9970	0.0587	2.0558	7,728.780 1	7,728.780 1	0.4455	0.3798	7,853.095 1	
Unmitigated	5.0297	5.4689	39.3443	0.0817	8.2578	0.0685	8.3263	2.2040	0.0643	2.2683	8,503.619 1	8,503.619 1	0.4750	0.4099	8,637.632 0	

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	1,066.24	962.36	801.64	2,903,500	2,630,765		
Parking Lot	0.00	0.00	0.00				
Health Club	493.95	313.05	400.95	785,780	711,969		
Total	1,560.19	1,275.41	1,202.59	3,689,280	3,342,734		

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0627	0.5403	0.2607	3.4200e-003			0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0125	688.1364
NaturalGas Unmitigated	0.0627	0.5403	0.2607	3.4200e-003			0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0125	688.1364

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	5056.39	0.0545	0.4660	0.1983	2.9700e-003		0.0377	0.0377		0.0377	0.0377	594.8690	594.8690	0.0114	0.0109	598.4040	
Health Club	758.219	8.1800e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	89.2023	89.2023	1.7100e-003	1.6400e-003	89.7323	
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	
Total		0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0126	688.1364	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	5.05639	0.0545	0.4660	0.1983	2.9700e-003		0.0377	0.0377		0.0377	0.0377	594.8690	594.8690	0.0114	0.0109	598.4040	
Health Club	0.758219	8.1800e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	89.2023	89.2023	1.7100e-003	1.6400e-003	89.7323	
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	
Total		0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0126	688.1364	

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	6.1321	3.1127	17.4459	0.0195		0.3264	0.3264		0.3264	0.3264	0.0000	3,764.744	3,764.744	0.0997	0.0685	3,787.640	
Unmitigated	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259	2,312.038	7,755.297	5.0514	0.4282	8,009.173	

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	0.7234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	4.5770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	299.9574	5.8578	370.2649	0.6708		51.9147	51.9147		51.9147	51.9147	5,443.259	2,282.823	7,726.082	5.0232	0.4282	7,979.251	
Landscaping	0.4893	0.1865	16.2008	8.6000e-004		0.0898	0.0898		0.0898	0.0898		29.2147	29.2147	0.0281		29.9182	
Total	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259	2,312.038	7,755.297	5.0514	0.4282	8,009.173	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.7234						0.0000	0.0000		0.0000			0.0000			0.0000	
Consumer Products	4.5770						0.0000	0.0000		0.0000			0.0000			0.0000	
Hearth	0.3424	2.9262	1.2452	0.0187			0.2366	0.2366		0.2366	0.0000	3,735.529 4	3,735.529 4	0.0716	0.0685	3,757.727 8	
Landscaping	0.4893	0.1865	16.2008	8.6000e-004			0.0898	0.0898		0.0898	0.0898	29.2147	29.2147	0.0281		29.9182	
Total	6.1321	3.1127	17.4459	0.0195			0.3264	0.3264		0.3264	0.0000	3,764.744 1	3,764.744 1	0.0997	0.0685	3,787.646 0	

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential**

Placer County APCD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	435.00	Space	3.91	174,000.00	0
Apartments Mid Rise	196.00	Dwelling Unit	2.30	196,000.00	561
Health Club	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation -

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	90.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblConstructionPhase	PhaseEndDate	9/14/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	10/12/2022	5/10/2023
tblConstructionPhase	PhaseEndDate	9/27/2023	10/25/2023
tblConstructionPhase	PhaseEndDate	8/30/2023	5/7/2025
tblConstructionPhase	PhaseEndDate	10/25/2023	5/21/2025
tblConstructionPhase	PhaseStartDate	9/15/2022	1/5/2023
tblConstructionPhase	PhaseStartDate	8/31/2023	5/11/2023
tblConstructionPhase	PhaseStartDate	10/13/2022	10/26/2023
tblConstructionPhase	PhaseStartDate	9/28/2023	11/9/2023
tblLandUse	LotAcreage	5.16	2.30

2.0 Emissions Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	3,809.648	1.1964	3.9000e-003	3,840.7205	
2023	9.1462	27.5586	24.9888	0.0578	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,723.660	5,723.660	1.1964	0.2219	5,806.9165	
2024	8.9850	17.5572	24.5122	0.0570	2.5293	0.6986	3.2279	0.6789	0.6608	1.3397	0.0000	5,657.627	5,657.627	0.6753	0.2151	5,738.6153	
2025	8.8282	16.4442	24.0824	0.0562	2.5292	0.6029	3.1321	0.6789	0.5702	1.2491	0.0000	5,592.716	5,592.716	0.6667	0.2085	5,671.5198	
Maximum	9.1462	33.1223	24.9888	0.0578	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,723.660	5,723.660	1.1964	0.2219	5,806.9165	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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	3.2230	33.1223	20.1467	0.0393	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	3,809.648	3,809.648	1.1964	3.9000e-003	3,840.725	
2023	9.1462	27.5586	24.9888	0.0578	19.8049	1.2667	21.0716	10.1417	1.1654	11.3071	0.0000	5,723.660	5,723.660	1.1964	0.2219	5,806.915	
2024	8.9850	17.5572	24.5122	0.0570	2.5293	0.6986	3.2279	0.6789	0.6608	1.3397	0.0000	5,657.627	5,657.627	0.6753	0.2151	5,738.613	
2025	8.8282	16.4442	24.0824	0.0562	2.5292	0.6029	3.1321	0.6789	0.5702	1.2491	0.0000	5,592.716	5,592.716	0.6667	0.2085	5,671.518	
Maximum	9.1462	33.1223	24.9888	0.0578	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,723.660	5,723.660	1.1964	0.2219	5,806.915	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259 2	2,312.038 3	7,755.297 5	5.0514	0.4282	8,009.171 3	
Energy	0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433		684.0713	684.0713	0.0131	0.0125	688.1364	
Mobile	4.1482	6.2866	41.3708	0.0759	8.2578	0.0685	8.3263	2.2040	0.0643	2.2684		7,903.992 0	7,903.992 0	0.5520	0.4462	8,050.754 2	
Total	309.9580	12.8712	428.0971	0.7510	8.2578	52.1163	60.3741	2.2040	52.1121	54.3161	5,443.259 2	10,900.10 15	16,343.36 08	5.6165	0.8869	16,748.06 19	

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	6.1321	3.1127	17.4459	0.0195		0.3264	0.3264		0.3264	0.3264	0.0000	3,764.744 2	3,764.744 2	0.0997	0.0685	3,787.646 0	
Energy	0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433		684.0713	684.0713	0.0131	0.0125	688.1364	
Mobile	3.9478	5.8237	38.5161	0.0690	7.4821	0.0627	7.5448	1.9970	0.0588	2.0558		7,186.304 0	7,186.304 0	0.5217	0.4138	7,322.663 5	
Total	10.1426	9.4767	56.2227	0.0919	7.4821	0.4324	7.9145	1.9970	0.4285	2.4255	0.0000	11,635.11 94	11,635.11 94	0.6346	0.4948	11,798.44 59	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	96.73	26.37	86.87	87.76	9.39	99.17	86.89	9.39	99.18	95.53	100.00	-6.74	28.81	88.70	44.20	29.55

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400	
4	Paving	Paving	5/11/2023	10/25/2023	5	120	
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400	

Acres of Grading (Site Preparation Phase): 135

Acres of Grading (Grading Phase): 90

Acres of Paving: 3.91

Residential Indoor: 396,900; Residential Outdoor: 132,300; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 10,440 (Architectural Coating – sqft)

OffRoad Equipment

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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
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
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	221.00	52.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549	
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5	

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	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549
Total	0.0528	0.0388	0.4489	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399			123.5870	123.5870	4.2800e-003	3.9000e-003	124.8549

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000	
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9	

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	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669
Total	0.0492	0.0344	0.4182	1.1800e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399			120.3902	120.3902	3.8900e-003	3.6200e-003	121.5669

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377		2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 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						
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000	
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	
Total	1.7109	17.9359	14.7507	0.0297	7.0826	0.7749	7.8575	3.4247	0.7129	4.1377	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182	

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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	2,555.209	0.6079		2,570.406
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209	2,555.209	0.6079		2,570.406
												9	9			1

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	0.0575	2.4573	0.7765	0.0106	0.3524	0.0145	0.3668	0.1015	0.0139	0.1153		1,114.590	1,114.590	3.0600e-003	0.1686	1,164.906
Worker	0.6034	0.4226	5.1349	0.0144	1.8155	8.7100e-003	1.8242	0.4816	8.0200e-003	0.4896		1,478.124	1,478.124	0.0477	0.0445	1,492.571
Total	0.6609	2.8799	5.9114	0.0250	2.1678	0.0232	2.1910	0.5830	0.0219	0.6049		2,592.714	2,592.714	0.0508	0.2131	2,657.477
												9	9			9

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	
Total	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	

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	0.0575	2.4573	0.7765	0.0106	0.3524	0.0145	0.3668	0.1015	0.0139	0.1153		1,114.590 3	1,114.590 3	3.0600e- 003	0.1686	1,164.906 4	
Worker	0.6034	0.4226	5.1349	0.0144	1.8155	8.7100e- 003	1.8242	0.4816	8.0200e- 003	0.4896		1,478.124 6	1,478.124 6	0.0477	0.0445	1,492.571 5	
Total	0.6609	2.8799	5.9114	0.0250	2.1678	0.0232	2.1910	0.5830	0.0219	0.6049		2,592.714 9	2,592.714 9	0.0508	0.2131	2,657.477 9	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.698	0.6044		2,570.807

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	0.0562	2.4417	0.7654	0.0103	0.3524	0.0145	0.3668	0.1015	0.0138	0.1153		1,092.596	1,092.596	2.9600e-003	0.1653	1,141.930
Worker	0.5636	0.3778	4.8119	0.0140	1.8155	8.2900e-003	1.8238	0.4816	7.6300e-003	0.4892		1,440.990	1,440.990	0.0435	0.0416	1,454.457
Total	0.6198	2.8194	5.5773	0.0243	2.1678	0.0227	2.1905	0.5830	0.0215	0.6044		2,533.586	2,533.586	0.0464	0.2069	2,596.388

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698	2,555.698	0.6044		2,570.807

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	0.0562	2.4417	0.7654	0.0103	0.3524	0.0145	0.3668	0.1015	0.0138	0.1153		1,092.596	1,092.596	2.9600e-003	0.1653	1,141.930
Worker	0.5636	0.3778	4.8119	0.0140	1.8155	8.2900e-003	1.8238	0.4816	7.6300e-003	0.4892		1,440.990	1,440.990	0.0435	0.0416	1,454.457
Total	0.6198	2.8194	5.5773	0.0243	2.1678	0.0227	2.1905	0.5830	0.0215	0.6044		2,533.586	2,533.586	0.0464	0.2069	2,596.388

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498

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	0.0552	2.4207	0.7560	0.0101	0.3523	0.0143	0.3667	0.1014	0.0137	0.1151	1,069.1075	1,069.1075	2.8800e-003	0.1617	1,117.379		
Worker	0.5288	0.3405	4.5306	0.0135	1.8155	7.9300e-003	1.8234	0.4816	7.3000e-003	0.4888	1,405.7986	1,405.7986	0.0396	0.0390	1,418.4119		
Total	0.5840	2.7612	5.2866	0.0236	2.1678	0.0223	2.1900	0.5830	0.0210	0.6040	2,474.9061	2,474.9061	0.0425	0.2008	2,535.7907		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0552	2.4207	0.7560	0.0101	0.3523	0.0143	0.3667	0.1014	0.0137	0.1151		1,069.107 5	1,069.107 5	2.8800e- 003	0.1617	1,117.376 9
Worker	0.5288	0.3405	4.5306	0.0135	1.8155	7.9300e- 003	1.8234	0.4816	7.3000e- 003	0.4888		1,405.798 6	1,405.798 6	0.0396	0.0390	1,418.413 9
Total	0.5840	2.7612	5.2866	0.0236	2.1678	0.0223	2.1900	0.5830	0.0210	0.6040		2,474.906 1	2,474.906 1	0.0425	0.2008	2,535.790 7

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140		2,225.433 6	
Paving	0.0854					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Total	1.1181	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	2,207.584 1	2,207.584 1	0.7140		2,225.433 6	

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	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332	100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
Paving	0.0854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.1181	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584	2,207.584	0.7140		2,225.433	
																6	

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	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	
Total	0.0410	0.0287	0.3485	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.3252	100.3252	3.2400e-003	3.0200e-003	101.3058	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.6007						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
Total	6.7924	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1201	0.0842	1.0223	2.8800e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			294.2873	294.2873	9.5100e-003	8.8500e-003	297.1636
Total	0.1201	0.0842	1.0223	2.8800e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			294.2873	294.2873	9.5100e-003	8.8500e-003	297.1636

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	6.6007						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
Total	6.7924	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

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	0.1201	0.0842	1.0223	2.8800e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			294.2873	294.2873	9.5100e-003	8.8500e-003	297.1636
Total	0.1201	0.0842	1.0223	2.8800e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975			294.2873	294.2873	9.5100e-003	8.8500e-003	297.1636

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	6.7815	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.1122	0.0752	0.9580	2.7800e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			286.8940	286.8940	8.6500e-003	8.2700e-003	289.5752
Total	0.1122	0.0752	0.9580	2.7800e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			286.8940	286.8940	8.6500e-003	8.2700e-003	289.5752

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.7815	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.1122	0.0752	0.9580	2.7800e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			286.8940	286.8940	8.6500e-003	8.2700e-003	289.5752
Total	0.1122	0.0752	0.9580	2.7800e-003	0.3615	1.6500e-003	0.3631	0.0959	1.5200e-003	0.0974			286.8940	286.8940	8.6500e-003	8.2700e-003	289.5752

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.7716	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.1053	0.0678	0.9020	2.6900e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			279.8875	279.8875	7.8900e-003	7.7700e-003	282.3991
Total	0.1053	0.0678	0.9020	2.6900e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			279.8875	279.8875	7.8900e-003	7.7700e-003	282.3991

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	6.6007						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.7716	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.1053	0.0678	0.9020	2.6900e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			279.8875	279.8875	7.8900e-003	7.7700e-003	282.3991
Total	0.1053	0.0678	0.9020	2.6900e-003	0.3615	1.5800e-003	0.3630	0.0959	1.4500e-003	0.0973			279.8875	279.8875	7.8900e-003	7.7700e-003	282.3991

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

	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	3.9478	5.8237	38.5161	0.0690	7.4821	0.0627	7.5448	1.9970	0.0588	2.0558	7,186.304 0	7,186.304 0	0.5217	0.4138	7,322.663 5	
Unmitigated	4.1482	6.2866	41.3708	0.0759	8.2578	0.0685	8.3263	2.2040	0.0643	2.2684	7,903.992 0	7,903.992 0	0.5520	0.4462	8,050.754 2	

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	1,066.24	962.36	801.64	2,903,500	2,630,765		
Parking Lot	0.00	0.00	0.00				
Health Club	493.95	313.05	400.95	785,780	711,969		
Total	1,560.19	1,275.41	1,202.59	3,689,280	3,342,734		

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	0.0627	0.5403	0.2607	3.4200e-003			0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0125	688.1364
NaturalGas Unmitigated	0.0627	0.5403	0.2607	3.4200e-003			0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0125	688.1364

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	5056.39	0.0545	0.4660	0.1983	2.9700e-003		0.0377	0.0377		0.0377	0.0377	594.8690	594.8690	0.0114	0.0109	598.4040	
Health Club	758.219	8.1800e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	89.2023	89.2023	1.7100e-003	1.6400e-003	89.7323	
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	
Total		0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0126	688.1364	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	5.05639	0.0545	0.4660	0.1983	2.9700e-003		0.0377	0.0377		0.0377	0.0377	594.8690	594.8690	0.0114	0.0109	598.4040	
Health Club	0.758219	8.1800e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	89.2023	89.2023	1.7100e-003	1.6400e-003	89.7323	
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	
Total		0.0627	0.5403	0.2607	3.4200e-003		0.0433	0.0433		0.0433	0.0433	684.0713	684.0713	0.0131	0.0126	688.1364	

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	6.1321	3.1127	17.4459	0.0195		0.3264	0.3264		0.3264	0.3264	0.0000	3,764.744	3,764.744	0.0997	0.0685	3,787.640	
Unmitigated	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259	2,312.038	7,755.297	5.0514	0.4282	8,009.173	

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	0.7234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	4.5770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	299.9574	5.8578	370.2649	0.6708		51.9147	51.9147		51.9147	51.9147	5,443.259	2,282.823	7,726.082	5.0232	0.4282	7,979.251	
Landscaping	0.4893	0.1865	16.2008	8.6000e-004		0.0898	0.0898		0.0898	0.0898		29.2147	29.2147	0.0281		29.9182	
Total	305.7471	6.0443	386.4656	0.6717		52.0045	52.0045		52.0045	52.0045	5,443.259	2,312.038	7,755.297	5.0514	0.4282	8,009.173	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.7234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5770					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3424	2.9262	1.2452	0.0187		0.2366	0.2366		0.2366	0.2366	0.0000	3,735.529 4	3,735.529 4	0.0716	0.0685	3,757.727 8
Landscaping	0.4893	0.1865	16.2008	8.6000e-004		0.0898	0.0898		0.0898	0.0898		29.2147	29.2147	0.0281		29.9182
Total	6.1321	3.1127	17.4459	0.0195		0.3264	0.3264		0.3264	0.3264	0.0000	3,764.744 1	3,764.744 1	0.0997	0.0685	3,787.646 0

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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 Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10651E+001	5.10651E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	5.77100E-002	6.06260E-001	3.10280E-001	1.01000E-003	2.53500E-002	2.33200E-002	0.00000E+000	8.87157E+001	8.87157E+001	2.86900E-002	0.00000E+000	8.94330E+001
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04160E+001	2.04160E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	5.61100E-002	5.26610E-001	6.83210E-001	9.20000E-004	3.02100E-002	2.78000E-002	0.00000E+000	8.05748E+001	8.05748E+001	2.60600E-002	0.00000E+000	8.12263E+001
Generator Sets	5.66500E-002	5.06140E-001	7.32710E-001	1.32000E-003	2.18600E-002	2.18600E-002	0.00000E+000	1.13041E+002	1.13041E+002	4.53000E-003	0.00000E+000	1.13155E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63734E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95560E+001	4.95560E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32898E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50037E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/ Backhoes	1.24610E-001	1.26030E+000	1.87674E+000	2.62000E-003	6.03600E-002	5.55300E-002	0.00000E+000	2.29870E+002	2.29870E+002	7.43400E-002	0.00000E+000	2.31729E+002
Welders	4.68800E-002	2.75330E-001	3.32530E-001	5.10000E-004	9.37000E-003	9.37000E-003	0.00000E+000	3.76441E+001	3.76441E+001	3.81000E-003	0.00000E+000	3.77395E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.58500E-002	2.41620E-001	3.61990E-001	5.90000E-004	1.18900E-002	1.18900E-002	0.00000E+000	5.10650E+001	5.10650E+001	2.87000E-003	0.00000E+000	5.11368E+001
Cranes	5.77100E-002	6.06260E-001	3.10280E-001	1.01000E-003	2.53500E-002	2.33200E-002	0.00000E+000	8.87156E+001	8.87156E+001	2.86900E-002	0.00000E+000	8.94329E+001
Excavators	8.49000E-003	6.96900E-002	1.46600E-001	2.30000E-004	3.41000E-003	3.14000E-003	0.00000E+000	2.04159E+001	2.04159E+001	6.60000E-003	0.00000E+000	2.05810E+001
Forklifts	5.61100E-002	5.26610E-001	6.83210E-001	9.20000E-004	3.02100E-002	2.78000E-002	0.00000E+000	8.05747E+001	8.05747E+001	2.60600E-002	0.00000E+000	8.12262E+001
Generator Sets	5.66500E-002	5.06140E-001	7.32710E-001	1.32000E-003	2.18600E-002	2.18600E-002	0.00000E+000	1.13041E+002	1.13041E+002	4.53000E-003	0.00000E+000	1.13155E+002
Graders	1.72600E-002	2.09390E-001	7.61700E-002	3.00000E-004	6.78000E-003	6.24000E-003	0.00000E+000	2.61618E+001	2.61618E+001	8.46000E-003	0.00000E+000	2.63733E+001
Pavers	2.30300E-002	2.25930E-001	3.45980E-001	5.60000E-004	1.06300E-002	9.78000E-003	0.00000E+000	4.95559E+001	4.95559E+001	1.60300E-002	0.00000E+000	4.99566E+001
Paving Equipment	2.04900E-002	1.92350E-001	3.06810E-001	4.90000E-004	9.35000E-003	8.61000E-003	0.00000E+000	4.29425E+001	4.29425E+001	1.38900E-002	0.00000E+000	4.32897E+001
Rollers	1.84500E-002	1.93210E-001	2.22270E-001	3.10000E-004	1.06300E-002	9.78000E-003	0.00000E+000	2.76627E+001	2.76627E+001	8.95000E-003	0.00000E+000	2.78864E+001
Rubber Tired Dozers	1.43130E-001	1.50036E+000	6.21210E-001	1.54000E-003	7.03500E-002	6.47200E-002	0.00000E+000	1.35048E+002	1.35048E+002	4.36800E-002	0.00000E+000	1.36140E+002
Tractors/Loaders/Buckets	1.24610E-001	1.26030E+000	1.87673E+000	2.62000E-003	6.03600E-002	5.55300E-002	0.00000E+000	2.29870E+002	2.29870E+002	7.43400E-002	0.00000E+000	2.31728E+002
Welders	4.68800E-002	2.75320E-001	3.32520E-001	5.10000E-004	9.37000E-003	9.37000E-003	0.00000E+000	3.76441E+001	3.76441E+001	3.81000E-003	0.00000E+000	3.77394E+001

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.17497E-006	1.17497E-006	0.00000E+000	0.00000E+000	1.17332E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23992E-006	1.23992E-006	0.00000E+000	0.00000E+000	1.22997E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.46944E-006	1.46944E-006	0.00000E+000	0.00000E+000	9.71768E-007
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24108E-006	1.24108E-006	0.00000E+000	0.00000E+000	1.10802E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15002E-006	1.15002E-006	0.00000E+000	0.00000E+000	1.14887E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14671E-006	1.14671E-006	0.00000E+000	0.00000E+000	1.13751E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21075E-006	1.21075E-006	0.00000E+000	0.00000E+000	1.20104E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16435E-006	1.16435E-006	0.00000E+000	0.00000E+000	1.15501E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08449E-006	1.08449E-006	0.00000E+000	0.00000E+000	1.07579E-006
Rubber Tired Dozers	0.00000E+000	6.66502E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18477E-006	1.18477E-006	0.00000E+000	0.00000E+000	1.17526E-006
Tractors/Loaders/Buckets	0.00000E+000	0.00000E+000	5.32839E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17458E-006	1.17458E-006	0.00000E+000	0.00000E+000	1.20831E-006
Welders	0.00000E+000	3.63201E-005	3.00725E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32823E-006	1.32823E-006	0.00000E+000	0.00000E+000	1.32487E-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		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.07	0.02	0.07	0.02	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.42	0.11	0.42	0.11	0.00	0.00
Grading	Fugitive Dust	0.32	0.15	0.32	0.15	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.96	0.46	0.96	0.46	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Hearth	99.89	50.05	99.66	97.20	99.54	99.54	100.00	-63.64	51.65	98.58	83.98	52.91
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	4.55	7.41	7.18	9.08	8.60	8.61	0.00	9.09	9.09	5.77	7.33	9.06
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.79	3.99	0.02	0.09	1.99
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 3
No	Land Use	Increase Density	0.00	0.00	0.00	0.00
No	Land Use	Increase Diversity	0.13	0.37		
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	0.08	0.60		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.08			

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Yes	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	0.02			
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	0.09			
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	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.09			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	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	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	:Install High Efficiency Lighting		
No	:On-site Renewable		

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	0.00	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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) Multi-Family Residential**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation**

Placer County APCD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	35.66	1000sqft	0.82	35,664.00	0
Parking Lot	402.00	Space	3.62	160,800.00	0
Health Club	8.00	1000sqft	0.18	8,000.00	0
Apartments Mid Rise	98.00	Dwelling Unit	1.93	98,000.00	280

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total lot acreage, parking lot spaces, dwelling units, and community center square footage based on development assumptions provided by the City.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire. Architectural coating assumed to start 2 weeks after construction initiation and last for the same duration.

Trips and VMT -

Grading -

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on AQ Questionnaire provided by project applicant.

Water Mitigation - Compliant with MWELO.

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Off-road Equipment Mitigation - All construction equipment Tier 4 final as required by Mitigation for the proposed project.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	120.00

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	400.00
tblLandUse	LandUseSquareFeet	35,660.00	35,664.00
tblLandUse	LotAcreage	2.58	1.93

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	0.1401	1.4407	0.8760	1.7100e-003	0.8636	0.0702	0.9338	0.4414	0.0646	0.5059	0.0000	150.4461	150.4461	0.0472	1.4000e-004	151.6689
2023	0.3856	2.7492	3.1858	5.9000e-003	0.5291	0.1278	0.6569	0.2060	0.1189	0.3249	0.0000	519.2960	519.2960	0.1265	4.6500e-003	523.8429
2024	0.8299	2.2226	2.9514	6.6200e-003	0.2269	0.0908	0.3178	0.0613	0.0859	0.1472	0.0000	592.6086	592.6086	0.0780	0.0204	600.6484
2025	0.3039	0.7282	1.0225	2.3000e-003	0.0800	0.0275	0.1075	0.0216	0.0260	0.0476	0.0000	205.9944	205.9944	0.0269	6.9200e-003	208.7276
Maximum	0.8299	2.7492	3.1858	6.6200e-003	0.8636	0.1278	0.9338	0.4414	0.1189	0.5059	0.0000	592.6086	592.6086	0.1265	0.0204	600.6484

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****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	0.0224	0.0893	0.9270	1.7100e-003	0.8636	2.7300e-003	0.8664	0.4414	2.7300e-003	0.4441	0.0000	150.4459	150.4459	0.0472	1.4000e-004	151.6687
2023	0.1696	0.3998	3.5895	5.9000e-003	0.5291	8.6500e-003	0.5378	0.2060	8.6100e-003	0.2146	0.0000	519.2955	519.2955	0.1265	4.6500e-003	523.8423
2024	0.6603	0.6114	3.1238	6.6200e-003	0.2269	8.3600e-003	0.2353	0.0613	8.2200e-003	0.0695	0.0000	592.6082	592.6082	0.0780	0.0204	600.6480
2025	0.2495	0.2111	1.0863	2.3000e-003	0.0800	2.9100e-003	0.0830	0.0216	2.8600e-003	0.0245	0.0000	205.9943	205.9943	0.0269	6.9200e-003	208.7274
Maximum	0.6603	0.6114	3.5895	6.6200e-003	0.8636	8.6500e-003	0.8664	0.4414	8.6100e-003	0.4441	0.0000	592.6082	592.6082	0.1265	0.0204	600.6480

	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	33.61	81.63	-8.60	0.00	0.00	92.84	14.56	0.00	92.41	26.61	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	9-1-2022	11-30-2022	1.1812					0.0836				
2	12-1-2022	2-28-2023	0.8329					0.0716				
3	3-1-2023	5-31-2023	0.7069					0.0844				
4	6-1-2023	8-31-2023	0.9069					0.1471				
5	9-1-2023	11-30-2023	0.8297					0.1928				
6	12-1-2023	2-29-2024	0.7741					0.3197				
7	3-1-2024	5-31-2024	0.7652					0.3186				
8	6-1-2024	8-31-2024	0.7634					0.3167				

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	9-1-2024	11-30-2024	0.7588	0.3170
10	12-1-2024	2-28-2025	0.7261	0.3136
11	3-1-2025	5-31-2025	0.5642	0.2565
		Highest	1.1812	0.3197

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	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180	
Energy	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	158.0396	158.0396	0.0145	3.0000e-003	159.2959	
Mobile	0.5155	0.7250	4.7022	9.3500e-003	0.9594	8.3100e-003	0.9677	0.2570	7.8000e-003	0.2648	0.0000	882.9520	882.9520	0.0566	0.0473	898.4722	
Waste						0.0000	0.0000		0.0000	0.0000	25.1384	0.0000	25.1384	1.4856	0.0000	62.2793	
Water						0.0000	0.0000		0.0000	0.0000	4.1866	9.2621	13.4486	0.4315	0.0103	27.3158	
Total	7.3421	0.9222	13.0637	0.0236	0.9594	1.0820	2.0415	0.2570	1.0815	1.3385	130.5548	1,093.9046	1,224.4594	2.0828	0.0686	1,296.9812	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.6767	0.0684	0.7566	4.2000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091
Energy	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	158.0396	158.0396	0.0145	3.0000e-003	159.2959
Mobile	0.4921	0.6714	4.3650	8.5000e-003	0.8693	7.6000e-003	0.8769	0.2329	7.1300e-003	0.2400	0.0000	802.6977	802.6977	0.0533	0.0439	817.1051
Waste						0.0000	0.0000		0.0000	0.0000	25.1384	0.0000	25.1384	1.4856	0.0000	62.2793
Water						0.0000	0.0000		0.0000	0.0000	4.1866	8.7310	12.9175	0.4314	0.0103	26.7795
Total	1.1766	0.8084	5.1616	9.3500e-003	0.8693	0.0219	0.8912	0.2329	0.0215	0.2543	29.3250	1,040.1356	1,069.4606	1.9874	0.0585	1,136.5689

	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	83.97	12.34	60.49	60.33	9.39	97.97	56.34	9.39	98.02	81.00	77.54	4.92	12.66	4.58	14.81	12.37

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	9/1/2022	1/4/2023	5	90	
2	Grading	Grading	1/5/2023	5/10/2023	5	90	
3	Paving	Paving	5/11/2023	10/25/2023	5	120	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	10/26/2023	5/7/2025	5	400
5	Architectural Coating	Architectural Coating	11/9/2023	5/21/2025	5	400

Acres of Grading (Site Preparation Phase): 135**Acres of Grading (Grading Phase): 90****Acres of Paving: 3.62**

Residential Indoor: 198,450; Residential Outdoor: 66,150; Non-Residential Indoor: 65,496; Non-Residential Outdoor: 21,832; Striped Parking Area: 9,648 (Architectural Coating – sqft)

OffRoad Equipment

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	Cranes	1	7.00	231	0.29
Paving	Forklifts	3	8.00	89	0.20
Paving	Generator Sets	1	8.00	84	0.74
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
Paving	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Welders	1	8.00	46	0.45
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	153.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	15	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1379	1.4391	0.8569	1.6500e-003		0.0702	0.0702		0.0645	0.0645	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375
Total	0.1379	1.4391	0.8569	1.6500e-003	0.8575	0.0702	0.9276	0.4397	0.0645	0.5043	0.0000	145.4614	145.4614	0.0471	0.0000	146.6375

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

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					0.8575	0.0000	0.8575	0.4397	0.0000	0.4397	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0203	0.0878	0.9078	1.6500e-003		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373
Total	0.0203	0.0878	0.9078	1.6500e-003	0.8575	2.7000e-003	0.8602	0.4397	2.7000e-003	0.4424	0.0000	145.4612	145.4612	0.0471	0.0000	146.6373

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****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	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	
Total	2.1800e-003	1.5300e-003	0.0192	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.9847	4.9847	1.6000e-004	1.4000e-004	5.0314	

3.2 Site Preparation - 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					
Fugitive Dust					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0413	0.0274	6.0000e-005		1.9000e-003	1.9000e-003		1.7500e-003	1.7500e-003	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582
Total	3.9900e-003	0.0413	0.0274	6.0000e-005	0.0987	1.9000e-003	0.1006	0.0226	1.7500e-003	0.0244	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689	

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					0.0987	0.0000	0.0987	0.0226	0.0000	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	7.0000e-004	3.0300e-003	0.0313	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582	
Total	7.0000e-004	3.0300e-003	0.0313	6.0000e-005	0.0987	9.0000e-005	0.0988	0.0226	9.0000e-005	0.0227	0.0000	5.0176	5.0176	1.6200e-003	0.0000	5.0582	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****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	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1674	0.1674	0.0000	0.0000	0.1689

3.3 Grading - 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					
Fugitive Dust					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8071	0.6638	1.3300e-003		0.0349	0.0349		0.0321	0.0321	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210
Total	0.0770	0.8071	0.6638	1.3300e-003	0.3187	0.0349	0.3536	0.1541	0.0321	0.1862	0.0000	117.2728	117.2728	0.0379	0.0000	118.2210

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

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					0.3187	0.0000	0.3187	0.1541	0.0000	0.1541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.0708	0.7989	1.3300e-003		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208
Total	0.0163	0.0708	0.7989	1.3300e-003	0.3187	2.1800e-003	0.3209	0.1541	2.1800e-003	0.1563	0.0000	117.2726	117.2726	0.0379	0.0000	118.2208

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****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	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	
Total	1.7400e-003	1.1700e-003	0.0154	5.0000e-005	5.3000e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.1858	4.1858	1.2000e-004	1.2000e-004	4.2232	

3.4 Paving - 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	0.1563	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2441	259.2441	0.0720	0.0000	261.0428
Paving	4.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1611	1.4746	1.8497	2.9800e-003		0.0726	0.0726		0.0677	0.0677	0.0000	259.2441	259.2441	0.0720	0.0000	261.0428

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 2023****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	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	
Total	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	

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	0.0365	0.2070	2.0854	2.9800e-003		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	259.2437	259.2437	0.0720	0.0000	261.0424	
Paving	4.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	0.0412	0.2070	2.0854	2.9800e-003		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	259.2437	259.2437	0.0720	0.0000	261.0424	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Paving - 2023****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	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	
Total	0.0118	7.9000e-003	0.1038	3.0000e-004	0.0667	1.8000e-004	0.0669	0.0171	1.7000e-004	0.0173	0.0000	28.2775	28.2775	8.2000e-004	7.8000e-004	28.5299	

3.5 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	0.0370	0.3380	0.3817	6.3000e-004	0.0164	0.0164	0.0164	0.0155	0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981
Total	0.0370	0.3380	0.3817	6.3000e-004	0.0164	0.0164	0.0164	0.0155	0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2023****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	1.1900e-003	0.0478	0.0151	2.1000e-004	6.7500e-003	2.9000e-004	7.0400e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	20.0804	20.0804	6.0000e-005	3.0400e-003	20.9867	
Worker	9.2900e-003	6.2300e-003	0.0818	2.4000e-004	0.0282	1.4000e-004	0.0284	7.5200e-003	1.3000e-004	7.6500e-003	0.0000	22.2964	22.2964	6.5000e-004	6.1000e-004	22.4955	
Total	0.0105	0.0540	0.0969	4.5000e-004	0.0350	4.3000e-004	0.0354	9.4800e-003	4.0000e-004	9.8800e-003	0.0000	42.3769	42.3769	7.1000e-004	3.6500e-003	43.4822	

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	7.7000e-003	0.0525	0.4103	6.3000e-004		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980
Total	7.7000e-003	0.0525	0.4103	6.3000e-004		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2023****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	1.1900e-003	0.0478	0.0151	2.1000e-004	6.7500e-003	2.9000e-004	7.0400e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	20.0804	20.0804	6.0000e-005	3.0400e-003	20.9867	
Worker	9.2900e-003	6.2300e-003	0.0818	2.4000e-004	0.0282	1.4000e-004	0.0284	7.5200e-003	1.3000e-004	7.6500e-003	0.0000	22.2964	22.2964	6.5000e-004	6.1000e-004	22.4955	
Total	0.0105	0.0540	0.0969	4.5000e-004	0.0350	4.3000e-004	0.0354	9.4800e-003	4.0000e-004	9.8800e-003	0.0000	42.3769	42.3769	7.1000e-004	3.6500e-003	43.4822	

3.5 Building Construction - 2024**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	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003	0.0803	0.0803	0.0803	0.0756	0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	6.4900e-003	0.2645	0.0832	1.1400e-003	0.0377	1.6000e-003	0.0392	0.0109	1.5300e-003	0.0124	0.0000	109.7260	109.7260	3.1000e-004	0.0166	114.6793	
Worker	0.0483	0.0310	0.4268	1.2900e-003	0.1574	7.5000e-004	0.1582	0.0419	6.9000e-004	0.0426	0.0000	121.1633	121.1633	3.2900e-003	3.1900e-003	122.1975	
Total	0.0548	0.2955	0.5100	2.4300e-003	0.1951	2.3500e-003	0.1974	0.0528	2.2200e-003	0.0550	0.0000	230.8893	230.8893	3.6000e-003	0.0198	236.8769	

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	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****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	6.4900e-003	0.2645	0.0832	1.1400e-003	0.0377	1.6000e-003	0.0392	0.0109	1.5300e-003	0.0124	0.0000	109.7260	109.7260	3.1000e-004	0.0166	114.6793	
Worker	0.0483	0.0310	0.4268	1.2900e-003	0.1574	7.5000e-004	0.1582	0.0419	6.9000e-004	0.0426	0.0000	121.1633	121.1633	3.2900e-003	3.1900e-003	122.1975	
Total	0.0548	0.2955	0.5100	2.4300e-003	0.1951	2.3500e-003	0.1974	0.0528	2.2200e-003	0.0550	0.0000	230.8893	230.8893	3.6000e-003	0.0198	236.8769	

3.5 Building Construction - 2025**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	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435
Total	0.0622	0.5674	0.7319	1.2300e-003		0.0240	0.0240		0.0226	0.0226	0.0000	105.5234	105.5234	0.0248	0.0000	106.1435

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	2.2200e-003	0.0911	0.0285	3.9000e-004	0.0131	5.5000e-004	0.0136	3.7900e-003	5.3000e-004	4.3100e-003	0.0000	37.2908	37.2908	1.0000e-004	5.6400e-003	38.9741	
Worker	0.0157	9.7100e-003	0.1394	4.3000e-004	0.0547	2.5000e-004	0.0549	0.0146	2.3000e-004	0.0148	0.0000	41.0541	41.0541	1.0400e-003	1.0400e-003	41.3906	
Total	0.0180	0.1008	0.1680	8.2000e-004	0.0678	8.0000e-004	0.0686	0.0183	7.6000e-004	0.0191	0.0000	78.3449	78.3449	1.1400e-003	6.6800e-003	80.3647	

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	0.0149	0.1017	0.7944	1.2300e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434
Total	0.0149	0.1017	0.7944	1.2300e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	105.5232	105.5232	0.0248	0.0000	106.1434

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2025****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	2.2200e-003	0.0911	0.0285	3.9000e-004	0.0131	5.5000e-004	0.0136	3.7900e-003	5.3000e-004	4.3100e-003	0.0000	37.2908	37.2908	1.0000e-004	5.6400e-003	38.9741	
Worker	0.0157	9.7100e-003	0.1394	4.3000e-004	0.0547	2.5000e-004	0.0549	0.0146	2.3000e-004	0.0148	0.0000	41.0541	41.0541	1.0400e-003	1.0400e-003	41.3906	
Total	0.0180	0.1008	0.1680	8.2000e-004	0.0678	8.0000e-004	0.0686	0.0183	7.6000e-004	0.0191	0.0000	78.3449	78.3449	1.1400e-003	6.6800e-003	80.3647	

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	0.0775					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0811	0.0241	0.0335	5.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	
Total	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	

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	0.0775					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	2.3800e-003	0.0339	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306
Total	0.0781	2.3800e-003	0.0339	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.7235	4.7235	2.8000e-004	0.0000	4.7306

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****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	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	
Total	1.4800e-003	9.9000e-004	0.0131	4.0000e-005	4.5000e-003	2.0000e-005	4.5300e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.5564	3.5564	1.0000e-004	1.0000e-004	3.5881	

3.6 Architectural Coating - 2024**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	0.5489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5725	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	
Total	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	

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	0.5489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5528	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****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	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	
Total	9.7900e-003	6.2800e-003	0.0865	2.6000e-004	0.0319	1.5000e-004	0.0320	8.4900e-003	1.4000e-004	8.6300e-003	0.0000	24.5494	24.5494	6.7000e-004	6.5000e-004	24.7590	

3.6 Architectural Coating - 2025**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	0.2116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.2202	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	
Total	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	

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	0.2116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-003	6.5000e-003	0.0925	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	0.2131	6.5000e-003	0.0925	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2025****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	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	
Total	3.5400e-003	2.1800e-003	0.0314	1.0000e-004	0.0123	6.0000e-005	0.0124	3.2700e-003	5.0000e-005	3.3200e-003	0.0000	9.2322	9.2322	2.3000e-004	2.3000e-004	9.3079	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.4921	0.6714	4.3650	8.5000e-003	0.8693	7.6000e-003	0.8769	0.2329	7.1300e-003	0.2400	0.0000	802.6977	802.6977	0.0533	0.0439	817.1051	
Unmitigated	0.5155	0.7250	4.7022	9.3500e-003	0.9594	8.3100e-003	0.9677	0.2570	7.8000e-003	0.2648	0.0000	882.9520	882.9520	0.0566	0.0473	898.4722	

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	533.12	481.18	400.82	1,451,750	1,451,750	1,315,383	1,315,383
Health Club	263.44	166.96	213.84	419,083	419,083	379,717	379,717
Office Park	394.76	58.48	27.10	737,325	737,325	668,066	668,066
Parking Lot	0.00	0.00	0.00				
Total	1,191.32	706.62	641.76	2,608,158	2,608,158	2,363,166	2,363,166

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
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Health Club	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Office Park	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185
Parking Lot	0.469031	0.061941	0.210401	0.151320	0.033281	0.008216	0.015093	0.011904	0.000551	0.000425	0.031690	0.000963	0.005185

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures 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	80.3653	80.3653	0.0130	1.5800e-003	81.1600	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	80.3653	80.3653	0.0130	1.5800e-003	81.1600	
NaturalGas Mitigated	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	0.0000	77.6743	77.6743	1.4900e-003	1.4200e-003	78.1359	
NaturalGas Unmitigated	7.8500e-003	0.0686	0.0400	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	0.0000	77.6743	77.6743	1.4900e-003	1.4200e-003	78.1359	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	922791	4.9800e-003	0.0425	0.0181	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2436	49.2436	9.4000e-004	9.0000e-004	49.5363	
Health Club	147600	8.0000e-004	7.2400e-003	6.0800e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.8765	7.8765	1.5000e-004	1.4000e-004	7.9233	
Office Park	385171	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5542	20.5542	3.9000e-004	3.8000e-004	20.6764	
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	
Total		7.8600e-003	0.0686	0.0400	4.2000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4800e-003	1.4200e-003	78.1359	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****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	922791	4.9800e-003	0.0425	0.0181	2.7000e-004		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	49.2436	49.2436	9.4000e-004	9.0000e-004	49.5363	
Health Club	147600	8.0000e-004	7.2400e-003	6.0800e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.8765	7.8765	1.5000e-004	1.4000e-004	7.9233	
Office Park	385171	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5542	20.5542	3.9000e-004	3.8000e-004	20.6764	
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	
Total		7.8600e-003	0.0686	0.0400	4.2000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6743	77.6743	1.4800e-003	1.4200e-003	78.1359	

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	381585	35.3056	5.7100e-003	6.9000e-004	35.6548
Health Club	66240	6.1288	9.9000e-004	1.2000e-004	6.1894
Office Park	364486	33.7236	5.4600e-003	6.6000e-004	34.0571
Parking Lot	56280	5.2072	8.4000e-004	1.0000e-004	5.2587
Total		80.3653	0.0130	1.5700e-003	81.1600

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	381585	35.3056	5.7100e-003	6.9000e-004	35.6548
Health Club	66240	6.1288	9.9000e-004	1.2000e-004	6.1894
Office Park	364486	33.7236	5.4600e-003	6.6000e-004	34.0571
Parking Lot	56280	5.2072	8.4000e-004	1.0000e-004	5.2587
Total		80.3653	0.0130	1.5700e-003	81.1600

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.6767	0.0684	0.7566	4.2000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091
Unmitigated	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180

6.2 Area by SubCategoryUnmitigated

	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	0.0838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5637					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.1491	0.1201	7.5904	0.0138		1.0643	1.0643		1.0643	1.0643	101.2299	42.4543	143.6842	0.0934	7.9600e-003	148.3925
Landscaping	0.0222	8.4100e-003	0.7311	4.0000e-005		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	1.1966	1.1966	1.1600e-003	0.0000	1.2256
Total	6.8188	0.1285	8.3215	0.0138		1.0683	1.0683		1.0683	1.0683	101.2299	43.6509	144.8808	0.0946	7.9600e-003	149.6180

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.0838						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	0.5637						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	7.0200e-003	0.0600	0.0255	3.8000e-004			4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	69.4707	69.4707	1.3300e-003	1.2700e-003	69.8835
Landscaping	0.0222	8.4100e-003	0.7311	4.0000e-005			4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	1.1966	1.1966	1.1600e-003	0.0000	1.2256
Total	0.6767	0.0684	0.7566	4.2000e-004			8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	70.6673	70.6673	2.4900e-003	1.2700e-003	71.1091

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.9175	0.4314	0.0103	26.7795
Unmitigated	13.4486	0.4315	0.0103	27.3158

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.38509 / 4.02539	6.5259	0.2088	5.0000e-003	13.2359
Health Club	0.473145 / 0.289992	0.4809	0.0155	3.7000e-004	0.9781
Office Park	6.33799 / 3.88457	6.4418	0.2072	4.9600e-003	13.1019
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.4486	0.4315	0.0103	27.3158

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.38509 / 3.22031	6.2652	0.2087	5.0000e- 003	12.9726
Health Club	0.473145 / 0.231994	0.4621	0.0155	3.7000e- 004	0.9591
Office Park	6.33799 / 3.10766	6.1902	0.2072	4.9600e- 003	12.8478
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		12.9175	0.4314	0.0103	26.7795

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Category/Year**

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	25.1384	1.4856	0.0000	62.2793
Unmitigated	25.1384	1.4856	0.0000	62.2793

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use tons MT/yr					
Apartments Mid Rise	45.08	9.1508	0.5408	0.0000	22.6708
Health Club	45.6	9.2564	0.5470	0.0000	22.9323
Office Park	33.16	6.7312	0.3978	0.0000	16.6762
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.1384	1.4856	0.0000	62.2793

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	45.08	9.1508	0.5408	0.0000	22.6708
Health Club	45.6	9.2564	0.5470	0.0000	22.9323
Office Park	33.16	6.7312	0.3978	0.0000	16.6762
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.1384	1.4856	0.0000	62.2793

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

Rocklin Rezone - Parcel 2 (Lonetree Apartments) All Tier 4 Mitigation - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

11.0 Vegetation

Appendix B

Construction HRA Results

BREEZE AERMOD Model Results

Max. Annual (4 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.08808	648173.20	4297078.00	0.00	0.00	1.80	DC	
	2ND	0.08667	648168.20	4297078.00	0.00	0.00	1.80	DC	
	3RD	0.08486	648163.20	4297078.00	0.00	0.00	1.80	DC	
	4TH	0.08401	648188.20	4297073.00	0.00	0.00	1.80	DC	
	5TH	0.08398	648193.20	4297073.00	0.00	0.00	1.80	DC	
	6TH	0.08368	648183.20	4297073.00	0.00	0.00	1.80	DC	
	7TH	0.08362	648198.20	4297073.00	0.00	0.00	1.80	DC	
	8TH	0.08297	648178.20	4297073.00	0.00	0.00	1.80	DC	
	9TH	0.08295	648203.20	4297073.00	0.00	0.00	1.80	DC	
	10TH	0.08266	648158.20	4297078.00	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	5.81840	ug/m**3	16010809	648153.20	4297078.00	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
7	Warning Message(s)
996	Informational Message(s)
43680	Hours Were Processed
452	Calm Hours Identified
544	Missing Hours Identified (1.25 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H

WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
---------	----	----------------------	---

www.breeze-software.com

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Rocklin Rezone Parcel 2
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,24,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\USERS\BSHEA\Desktop\METEOR~1\SACINT~1.SFC
ME	PROFFILE	Profile met file	C:\USERS\BSHEA\Desktop\METEOR~1\SACINT~1.PFL
ME	SURFDATA	Surf met data info.	93225 2014
ME	UAIRDATA	U-Air met data info.	23230 2014
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	8.23
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU | DAYTABLE | Print summary opt.

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height (m)
			East (m)	North (m)	(m)			
ZC9ZD5BN	VOLUME		648152.1	4297166.1	0	0.001299667	(g/s)	5
ZC9ZD5BO	VOLUME		648152.1	4297229.7	0	0.001299667	(g/s)	5
ZC9ZD5BP	VOLUME		648215.7	4297229.7	0	0.001299667	(g/s)	5
ZC9ZD5BQ	VOLUME		648152.1	4297293.3	0	0.001299667	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
ZC9ZD5BN		648152.1	4297166.1	0	0.001299667	5	29.59	1
ZC9ZD5BO		648152.1	4297229.7	0	0.001299667	5	29.59	1
ZC9ZD5BP		648215.7	4297229.7	0	0.001299667	5	29.59	1
ZC9ZD5BQ		648152.1	4297293.3	0	0.001299667	5	29.59	1

*HARP - HRACalc v19044 1/26/2022 1:29:37 PM - Cancer Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK
1			9901	DieselExhPM	0.08808	3.24E-05	2.67YrCancerHighEnd_Inh_FAH16to70	*	3.24E-05	0.00E+00

2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/26/2022 1:29:37 PM - Chronic Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1			9901	DieselExhPM	0.08808	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL DETAILS	INH_CONC	SOIL_DOSE
0.00E+00	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 *	8.81E-02	0.00E+00

```

DERMAL_DOSE MMILK_DOSE WATER_DOSE FISH_DOSE CROP_DOSE BEEF_DOSE DAIRY_DOSE PIG_DOSE CHICKEN_DOSE EGG_DOSE
 0.00E+00   0.00E+00    0.00E+00  0.00E+00   0.00E+00   0.00E+00    0.00E+00  0.00E+00    0.00E+00  0.00E+00

```

1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/26/2022 1:29:37 PM - Acute Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL
1			9901	DieselExhPM	5.8184	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00

BREEZE AERMOD Model Results

Max. Annual (4 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.00702	648173.20	4297078.00	0.00	0.00	1.80	DC	
	2ND	0.00691	648168.20	4297078.00	0.00	0.00	1.80	DC	
	3RD	0.00676	648163.20	4297078.00	0.00	0.00	1.80	DC	
	4TH	0.00669	648188.20	4297073.00	0.00	0.00	1.80	DC	
	5TH	0.00669	648193.20	4297073.00	0.00	0.00	1.80	DC	
	6TH	0.00667	648183.20	4297073.00	0.00	0.00	1.80	DC	
	7TH	0.00666	648198.20	4297073.00	0.00	0.00	1.80	DC	
	8TH	0.00661	648178.20	4297073.00	0.00	0.00	1.80	DC	
	9TH	0.00661	648203.20	4297073.00	0.00	0.00	1.80	DC	
	10TH	0.00659	648158.20	4297078.00	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	0.46359	ug/m**3	16010809	648153.20	4297078.00	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
7	Warning Message(s)
996	Informational Message(s)
43680	Hours Were Processed
452	Calm Hours Identified
544	Missing Hours Identified (1.25 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H

WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
---------	----	----------------------	---

www.breeze-software.com

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Rocklin Rezone Parcel 2 - Mitigated Run
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,24,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\Users\bshea\Desktop\METEOR~1\SACINT~1.SFC
ME	PROFFILE	Profile met file	C:\Users\bshea\Desktop\METEOR~1\SACINT~1.PFL
ME	SURFDATA	Surf met data info.	93225 2014
ME	UAIRDATA	U-Air met data info.	23230 2014
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	8.23
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU | DAYTABLE | Print summary opt.

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height (m)
			East (m)	North (m)	(m)			
ZC9ZD5BN	VOLUME		648152.1	4297166.1	0	0.000103553	(g/s)	5
ZC9ZD5BO	VOLUME		648152.1	4297229.7	0	0.000103553	(g/s)	5
ZC9ZD5BP	VOLUME		648215.7	4297229.7	0	0.000103553	(g/s)	5
ZC9ZD5BQ	VOLUME		648152.1	4297293.3	0	0.000103553	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
ZC9ZD5BN		648152.1	4297166.1	0	0.000103553	5	29.59	1
ZC9ZD5BO		648152.1	4297229.7	0	0.000103553	5	29.59	1
ZC9ZD5BP		648215.7	4297229.7	0	0.000103553	5	29.59	1
ZC9ZD5BQ		648152.1	4297293.3	0	0.000103553	5	29.59	1

*HARP - HRACalc v19044 2/9/2022 3:27:52 PM - Cancer Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_All Tier 4 Mit_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK
1			9901	DieselExhPM	0.00702	2.57E-06	2.6YrCancerHighEnd_Inh_FAH16to70	*	2.57E-06	0.00E+00

2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/9/2022 3:27:52 PM - Chronic Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_All Tier 4 Mit_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1			9901	DieselExhPM	0.00702	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL DETAILS	INH_CONC	SOIL_DOSE
0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 *	7.02E-03	0.00E+00

```

DERMAL_DOSE MMILK_DOSE WATER_DOSE FISH_DOSE CROP_DOSE BEEF_DOSE DAIRY_DOSE PIG_DOSE CHICKEN_DOSE EGG_DOSE
 0.00E+00   0.00E+00    0.00E+00  0.00E+00   0.00E+00   0.00E+00    0.00E+00  0.00E+00    0.00E+00  0.00E+00

```

1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/9/2022 3:27:52 PM - Acute Risk - Input File: C:\Users\bshea\Desktop\HARP\Parcel 2_All Tier 4 Mit_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL
1			9901	DieselExhPM	0.46359	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00